



Mechatronics Control Training Systems p.1 - p.3

\*Modular CD Production System

\*Modular Production System

\*Comprehensive Mechatronics Workstation
\*Shope Detection & Sorting Station
\*Object Disease from Seasing & Corportion Station

\*Material Selection & Sorting Station
\*Mechanism Trainer
\*Inecest Sider Matter Mechanism

\*Trepact Sider Motion Mechanism
\*Toggle Mechanism
\*Cylindrical CAM Motion Mechanism
\*Phile College And Methanism
\*Cylindrical CAM Motion Mechanism

\*Bereil Cear Motion Mechanism
\*Geneva Mechanism
\*Worm Shaft & Worm Gear Mechanism
\*South Vide Mechanism

\*Scotch Yole Mechanism \*Planetary Gear Motion Mechanism

Hydraulies Control Training Systems p.3

\*Phydraulies Control Training Systems p.3

\*Phydraulic Serva/Proportional/Digital Control System

\*Acrylic Hydraulic Training System

Procuration Control Systems p.4-p.5
\*Basic Presentic Elements Lab

\*Basic Presumatic Elements Lab
\*Basic Presumatic Loops lob
\*Electro-Presumatic Lab
\*Presumatic PLC Control Lab

Microprocessor Trainer p.5- p.6
\*Microprocessor Training System
\*Microcontroder Training System
\*Microcontroder Training System
\*Microcontroder Training System

\*A/O,Thermal Sensor Board

\*Motor Control Board

\*Motor Control Board

\*Multi-function I/O Lab Green Energy Trainers p.7 \*Wind Energy Trainer

\*Solar Energy Demonstrator

Eletronic/Electrical/Communication Labs p.7-p.14

Introdick Decirical Communication Labs p. 7-p.
Ogital Cresit Lab
Ogital Oracle Lab
Powered Project Lab

"AFFLO/FDG A/ISP/BDS1 LAB "Fiber Optics Communication Lab "Wireless/RF Communication Lab "Microwave Active Circuit Design

\*Digital Signal Processing(DSP)Contri \*Power Electronic Trainer \*Electrical Machinery Esperiments

retrical Machinery Experiments tomatic Control Trainer C Controls Lab Educational Kits and Toolkits p.15 - p.16
\*Robet lits
\*Arduino Apple Board
\*Basic Telephone Kit

"Fuzzy Indoor Intercom
"Wireless A/V Sync.Transmitter Kit.

Breadboards Jumper Wires p.17 \*Breadboards

\*Powered Breadboard \*Jumper Wires

IC Tester and (E)EPROM Programmers p.17 - p.18
\*Pocket Universal Programmer
\*Datatal IC Tester

\*Digital IC Tester
\*Linear IC Tester
\*Portable EPROM Eraser
\*Universal IC Programmer

PCB Prototyping Machines p.18

Test & Measuring Equipment p.18 - p.27

"Audio Generator/Counter "Signal Generator/Counter "WOW Statter Meter

"Power Meter "Power Meter "Dip Meter

"Function Generator
"LCR Meter
"Digital Multimeter

"Single Output DC Power Supply
"Dual Output DC Power Supply
"Outfloreope
"Analog/Digital Insulation Tester

\*Analog Earth Resistance Teste \*Analog/Digital ELCB Tester \*Anemometer \*Power Analoger

"Probes/Text Leads
"Voltage Tester
"Live Grout Detector/Voltage Tester
"Phase Sequence Indicator
"Phase Sequence Indicator

Automotive Equipment p.27
\*20-Function Diagnostic Analyse
\*Timing Lights

Tools and Toolkits p.27 - p.29

Soldering and Desoldering Stations p.28 - p.29

Alternative Energy Kits p.29
"Solar Power Serial
"Solar Power Partallel
"Wind Power Partallel

The first Machanonics control system based on the con-

i. c. nations hills assumbly. Each markaging, electronics as-\*Concred Training Concepts

implemental. Students social the entire responsity action

components and to faction

G. Adhesive Contino Station (ME-1080)



transfer at various complexity length \* Hands on Endodress Washes:

Exercises a located from MPS one he certified to indus-

R. Distribution Station (ME-2001) F. Assembly Station (NE-12005)

Comprehensive Mechatronics Workstation CMW-41300

A Discharios

 A sewarte type fiber optical sensor, detecting if the regarder to cripts, is installed at the bottom of the rogorne. 2. A double-acting of inder delivery a workeign from

3. A many points, detecting if a work piece has

2. A promusic cylinder controls the vertical mone-

2. Twochboarts. (Alaminum, or white product, were planted, will be directed off the conveyor beliefe into two side slides and the other type of part will deep into the 9. Vanuam Generales 4. Art AC solerarid recolusions, a solid-state relati

7. Conveyor belt is difren by a supper motor

Shope Detection & Spetime Studios: SDS. SandScales

1 VN 27 single allet solered valve Mechanism dosign, Hydraulics, Pacumatics, Electronics



14. Profile Aluminum Plane

s. PLC Program Doop:

Color Montification & Section



Specifications

2. Twoefbeparts, (Alacsimum, or white plants, Mark 6. Shifting Cylinder

1. Introduction to Presentin Circuits

Object Orientation Sensine & Correction

Command States Mandred Mandredown (SM 43-85)

10 ht for man 2200 PM 82A1280 Creater notion is convenid to linear motion on the counter disclosive, respectively.

arty. The summer shafts mayor linearly and is driven originally.

CCM-61409

\* AC motor drives the cylinder which drives the lines \*A fined length competing bar between exlinder and

\* Components are dyed in various colors which will ranks Disk CAM Mechanism: DCM-61404

follower collector more complete \* The connecting beam is pinned in the middle and

\* The output red is supported by two striction blocks

Berry Core Medica Mechanism

THE - THE band over commend to restor shoft and

constitut anadomina, teoperamony. \* Turo, sustant constitut aboffs and based on two relias

Material Selection & Sorting Station: ALVE-STATE

Specifications

Experiences

Mechanism Trainer: MT-181890

\* Photointeractor

Worth Gear Speed Remoter Mechanism
 Main Shall Mechanism of Driller (Tunodit)

Genesa Mechanism \* Blac shoft connector is

\* A roller is fixed on the owner click ( (2) 154 many as

\* The restricted inneventure of the blac wheel in continuous \* Both blue and group wheels are supported by refler bear-

Worm Shaft & Worm Gear Mechanism:

Worm Shall are supported various cellurs which will make transmission between

\* Size: 163 x 143 x 143 curv.05.25" x 5.58" x 5.50"

Seatch Yels: Mechanism 5731-61488 with an opening of 100 mm (47)

\* The corput unit (grows has a pendulum on one and.

Planetary Coor Metion Machinisms PCM-

\* AC inductive motor. treele seitch, fire



9000. 7 Say: 790 x 780 x 190 mm (107 x 8 7107 x 87 Properties of Distral Control System:

Frature

\* Instruction can choose other Serve or Propertiesal

\* Hodge die geste

\*High-course flow 1 or \* Serve value 1 pc

\* Flow mater with distinct distinct it was

\* Hobback coons with digital display 1 pc Floris Control Chit

\* Silk-array printed whereast control rand \* Service of the Service of Servi

\* have raise inwenture projection \* Seed wated in behalfs are magn \* Angular displacement control in hydraulic servo

rreportunal varve Controls
\* Proportional prosesse solicif valve proportion Thydraulic position control, proportional-directive \* Components use dred in runious union which will Hudraulic position control, proportional interral-

Electro-Hydraulic Control System: ERC-661110

\* Power switch \* Volume: Ampere radur

\*COLOGNOO

\*Londindioner

\*Shat solve \* h-point assemble \* Presser whet value

\*Check valve

\* Differential exhades

\* Double-FW2P solmoid \* Present community flow control rather

\* Students can actually

Hodondia Power Uni

Pagametic Control Systems These systems are dissigned for students in Machanical.

endorsteen from about horse processorie classes to work 2. The second stage, Basic Prograntic Loops Lab.

introduced in the fauth stace. BPE-65001

### Basic Presentite Elements Labo

Specifications 2. Three-Point Assembly: I put

4. Double-Artine Cylinder 1 or 5. Single-Acting Cylinder 1 oc

11. Sharda Valva: 1 pc 12. AND Gate Valve: Los

18. Percentage Manual: Loc

6. Introduction to AND oute Value

Basic Progratic Loops Lab

Pneumatic Control Systems 19.3-Way Caracter: 5 po 20. Experiment Montail 1 pe

L destination of 1.7 modification control value on 2. Sinds before a links count has

6. Owners Blow Control Value: 4 no.

1.1. Provacy Great Line

Er new Yahr Lor

 A solicin control has controlled by two heads 8. Double-Acting exhibits actionate preisonately 5. Application of engagement socials controlled horse

11. Tro-dublicaction collectes band a nortion since

15. Semener control laws (I

EP1-46883

4. Single-Acting Cylinder 1 pc

6. 57 Schmid, SindoPile Volor Tree S. 2-Way Company: 18 per

Since 1988

71 Shell: Value 7 may 1. Single-pilet prieprid valve controlled iver

3. Simule-miles solenoid valve controlled lone-one cycle

N. Throthio-miles and maid value and double buttons con-

A Manually control collector to more immediately in ... 18. Due blood to story control of long control. S. Manually commit ordinate to more forward and it to: 11. Double oiler educated veter controlled here with Adva. 15. Simple-offer solemoid solve controls a double acting

> 16. Significantist subspecies subsequently a double action 17. Double other selected valve controls a double action 15. Single-ediar subspecies subsupport subsu 18. Flor # (notified selected volve controls a double acting

21. There exhibites and there simple ailed submaid valves controlled accuracy law A+A-B+C+B-C

Procuratic PLC Central Lab: PPLC-4644

3. Simily Active Cylinder Lee T. P. Italian 25 pm.

12 Power Sumbir Lin

14. A double-collect and recold solver constraints a double-section.

17. Sequence coltrolled loops with 3 cylinders and 3



One has cost Microscopes trainer over the new and/ or Microcontrador costem hardware design and transferable ting.

Fundament Provided in each Sun Equipment Provided in each Set:

1. Vesters with VV EAAL 6 LeV EVALue board.

\* 9085-2 CPU rance 4.77 MSts. However, a clock

cross of later \* EAM: The automorphish VN SEAM NE of

\* Keyboard: It has 56 keys which include the

standard Controlles printer interface, which is one

\* Ann IBM PC commetitie interface and with ne

\* Storm and The state and is used to In addition, it provides the speaker interface to

provide nameled controls. They are the \$255, which Seftware Deputies

\* Single-step program countries and debugging

for recovery debugging

Optional Accessories \* P. CLERGE PHONE POR

\* FFECH Ener

Ontional I/O Experience: Search \* Signing Motor Control Beard (EDS-8805) \* Marcington (O Lab (EDS-899-1) Microcontroller Training

System: MTS-8052

\* All possible required DC power supplies in

today's disctronic applications, GND, +5V, +12V,

\* BCBd: 32K BOM, oddoos mage 000001 - 20FFH \* Clark: 1 = 12 MHz naine HIM IX orient cable

\* (E) Aleba morario dicit LED dots hit and the hit control on he

\* Status Fort The status port can be displayed to Eine are extended for our medications

is remitted on the houses colored binding rests

\*SFR reviser content display & really function

\* BUS ROUND LANCE

\* PER PROM Programmer Driver 7. OFFI Switching Power Sweek

5 Sheir Ehruble (Planeur ) T Write-points solderless circuit breadboard

11. MTS-8957 User's Guide and Franciscom \* SEEPROM Programmer \* FFEDAL France

\* EDS-1203 EUT/09/ON Wyley for additional-date storage UD control condications it consciously for MTN-8000 & IBM PC or other connectibles



A.D. Thermal Senser Board:

Specifications



#### Ci..... 1000

Multi-function I/O Lab: EDS-8999-1



\* Samelas meta \* Bod A. B. and C DIP switch control

\* Electric piene simulation \* Display one worth \* Stapper matter company I \* Singer ractor control [1] \* Suppor runter simulation II



\* Serve motor, Statute Servere 1 cycle

Experiences

Linear many Linear province

ADDA Experiment Based: EDS-890:

Mater Coated Board: EDS-8985

Basic I/O Experiment Board: EDS-8886

SpecTrotien

Frouriescen \* Dip sweets
\* Daiwy the T-scottent charles



\* Partably and compact kit allows for easy transportation

(Lip to 120W)

\* Built in USB insk allows comparing to computer against. Experiments \* Additional storage sensor included with the his

Modes to reduce hurselid impact to the gov-Specifications

N Tradition Signature Unit: S Bades with a Tail

c. Turbing Batation: This conduct above wind speeds.

\* Batteryy: 12VDC, 10Ah, dogs cycle, seniod \*Corving case: Heavy dety, durable polygropylene

Creen Solar Engers Tesinor: GSE-80100

7 DC TO DC Converter 5. Open Doxies cuture of the kit allies a the own second

\* Output Carryet 590mA man approximately \* A A A A makemphic behavior

Contract & Franciscoper

\*Loaning C Language and Programming "NPC Input Output (3/01) Interface and Control

\*ADConstruCorni "Statury Charoline and Discharaine Control

"THE IS ACCOUNTED FOR STREET PROPERTY COMPANIES WITH SAIL olar Energy Demonstrates

Canada (Cham)

Specifications \*Chang Dir Cornel

Digital Circuit Lab: DCL-455888

Interconnected, includes and with Louising power, no all DIP view and components with load and wild wire. It sources universal connector fixed belief on the result in T. PAT DESIGNED SECTION 1 Read +55DC, LA, Flood -55DC, 100mA

A TWO DIGITS OF 2-SEGMENT LED DISPLAY S. BLI SE CENERATOR

Property Resp.: 1852 - 18 th/ 18th - 100th DARRY 1978-1979- DEPTH-DEPTH-DEPTH-

CMSS //DC (depends on the //DC or mail

Digital Analog Circuit Lab: DAC-45388

(A) Fined DC output: +5Y, IAMP. (C) Veriable DC output: (VC to + 15V, 1 AMP

(Th Norishie DC autout SV to - 17V 1 AMP (B) Veriable resistar VE2 = 180K (B) (A) Progressy range 1 Hz ~ 10Hz, 10Hz ~ 190HZ, 100152 - 1 83tz, 1 Mtz - 14831Z, 1063tz - 10683tz

(Historphiale: Sinceres cutput 8-8 Vpp variable

Both of the two houses waken' and two BNC larks' soirs 10. 16 BETS LED DISPLAY: 6 BITS LED DISPLAY

(A) Souther accounty DC-03 Straight hower 68 stea

Preserved President Labo PPI-450000

Electrical Supply: Wester DC Chipes



Basic Electricity Circuit Lab: BEC-451000

February (20) 400 80 180 31 90 610 7990 900

TORON, 2000LD | TORONTOCOMOUNT No. 18000 25501 Dischold 1009

BEL-181 HB Cockedox A B C D F:

HET-101600A (includes B.C.D.E)

A Basic Electricity Experiments

\* Digital conditions \* Analog multimeter

\* Meximum cover transfer circuits + Wheentone bridge

\* AC BLC uries and resolid circuits

B. Besic Floringins Franciscopy REC. (01108)

\* Note: Conditioning Circuit

\* D Repercy \* Separated logic circuits

\* Helf older

\* School triese

\* DVA companies

\*Common wedde

E. Thyrister Circuit Experiments: TCE-111(9)

Distral Laste Labs DLL\_091961

\*Summer of chief Albert MAX 78005 CPLD OTLCC SAFEMA

Since 1988 \* AHDL/VHDL and graphic method cur be used to

\*Transport source creatal mediator and 555 procision

LED NA Stamping runner driver interface \*1 pc

\*Combination Logic \* Subscorts \* Comparation

\* Makinloon \* Donal tolour

\* Shift ngistar 3. ANDL/ WIDL beautigo

\* Support motor centrol

Names Trainer: NT-101500 a

\* Batters oncoder (Charlesprent, early, extrices, Second

 Weight selection Thermonusia temperature semina Typecratus control

CPLIN EPGALISPUNISI LAN CFI-491908



\* Newspired chiese Allies APPN 100 (1978) 1 Admiral. \* AHDL/YHDE, and graphic method can be used to

Erdorekods

(Positive edge trigger \*3 peob

Edd DA connector 12 por

\* Disitul disch control \* Teach mich conto \* Peak better costed

\* Audia Property contribute

\* AM Modeleser

MC1645 Madelan & CMNN NCO Madelan \* FM Donobler:

\* PRM Muhiton: +5741 PRM 8-LM101 PRM

\* PSK Muhdow

PORTO DE LA COLO OPSK Darwels law

Analas Communication Labr ACL-16260



Communication Lab: COM-19999 \* Hurley Oscillator Circuit. \* #34 Product Detection Circuit

> \* DSB-SC Modulate \* SSD Madalana \* 1001 Product Dictorier

\*LMS667M Circuit

\* LMiss FM Demodulator

\* TEMEDA

AC1-18765

\* Ripolar DAC 6606 D/A Converse Circuit

\*Charle Benney Circuit

Digital Communication Labs DCL 10300



## www. SUNEOUIPCO.com

\* AMI Signal Encoder \* Unipolar and Bipolar RZ Signal Decoder

\* Manchester Signal Encode

# Administration Philips Mandadana \* Adaptive Delta Demodulator

7 Annahamawa ASE Madalawa (I

\* VIR 7766 PSK Moduloker

Advanced Digital Communication Lab: ADCL-19700



NOTE Demokrate

MAJA's Special Spectrum Encoder

\*Oxflocore

Communication Electronics Labo CET-10400

\* Pensive Second Order Band geon Filter

\* Wire Bridge Oscillator Circuit \*Cripins Cronsl Controlled Outlierer Cross

\* AM Transmitter Carrier Francisco, 1 MBIs C1-Stiese varietie extent power

\* AM Businer Currier Bran: 565 kills - 1065 kills A FIRST Transporters Combin Engineering 10-7 house

\* Ando Applifier with on-emphosis I dodg beet the outbern conduct

\* Manual Line DC Doorse Speech Victorian Ad V - 10 -

\*Centrolistic Hauschold Applicaces (Number of our

pate 3) \* Sincle Chie Messeestvoller \* Switching for Short! Long Distance Control \* Number of Costrollable Ringing Tirger: 3 - 6 \* #50' Tomanitor Carrier Francesco: 1 MHz

\* ASK Resolver Carrier Frequency: 1 MHz

\* Date Received Display & Nov I ED Display # 755 Communication Chample

\*Transmission Frequency: 10.7 MHz \* Second Secretary Photod Provider \* Days Jones Mode & his

\* Data Received Bate: 100 her

\*Communication Channels Firm Detection \* First Intermediate Francisco: 20 kHz

\* PSK Receiver Contex Frequency: 1 MHz

\* 264 Communication Chample

\* Function Generator & Power Supply Module





# Fiber Ontics Communication Lab

Order Tell Free: 1-800-870-1955

\* X14 are Digital Transmitted Circuit

\* 668 wa Filedad Espekard Closell \* 528 are Digital Received Circuit

\* Data Transmission from LCD to PC

\* Fiber Optics Applications on AM Modulation and De-\* Fiber Option Applications on ASK Minkshitten and

\* Fiber Order, Applications on FM Madulation and Di-

\* Fiber Optios Applications on CVSD Encoding and

\* Execution Generator & Proper Search Medials

Wireless RE Communication Labor



How was I have blood bloomed. One Stage Low Noise Amplifier Design Woman Enter INt with fallent Solv

Do. Aged (For Dodge

Colority and Hortey Oscillator Design Womann Base Coloits Voltage Controlled

\*Common Colleger Coloins Voltage Committed Place Loded Lace Corroller Decim

\*Phose-Lorded Lace Circuit

\* Bend-Pen

One-Florence

Microwane Action Circuit Design MT-19699

Low Notice Appellifer \* Manuscrepart of Plane Noise

\* Mouseward of Public Flows \* Monorman of 3rd Order Intercent Print

\* Monument of Lift Congression Poin \* MS 15007 Control Signal Testing

NET-JOKAS \* Mossingrams of 3rd Onder Intercent Print

\* Mosurement of IT Bundwidth Management of Comornius Loss to LO Power \* Measurement of Lange-rejection Level IQ Nabbay

\* Management of PSK Madelator Digital Wireless Transmitter

\* Money report of Jenson principles Ability Microscov Trainer MT-M12

\* Voltage to stand wave ratio \* Minnepot prover

## www. SUNEOUIPCO.com

 The Doppler Radar
 The use of comist cable Francisco 18.5 GHz Variable Attenuator

\*Resistive Terminates

Automa System Demonstrator: ASD-30227

\* Transmission Lines on: \* Pleased length and electrical characteristic \* V and I distribution graphics

Pronuncy Fixed 167.2 MRs Proposed: Pixel 165.2 Mills

Shaked Astronous Claud Loops Astronous \* Universal Matcher: 58 (2 for balanced and

Distract Street Processing (DSP) Control Lab

a 4 MR Flesh BAM c 2500 con CR E

C Dual power design ( Fession power & dustral power) a High word AD/TLCSSUS hip, may, spending hillish soud DA (TLC5#IC, 45th, run, convenien

The code marks advanced COMMERCO science d. The module can be used for audio 100 and video

s. Andrewskie skept the TLV528AK238 chir (man secondary may 66 KHz Data No. 16 70 74

d. Models can be used for usally 140 Notwerk TCP-57.

s. The MACCHIEC WI is paid for the TMSCAN NAME models to communicate with a PC (Transmission

CO. Signal source module: e. A balk-indicality combine signals from the two

(16) PSM framework convenient module a. It provides PRM and CAP imprisons.

Since 1988 \* Short-Circuit test

See See Deby Deby See Deby Deby See V.V.

\* DC summarly oscilad constructional \* IV we've motor lead-characteristic to

\* Three shorp, speckremen pressure on-load and

Automatic Control Trainer: ACT-109900A

Sanc Historian

\* Compart Production

\* Service Mater Driver \* Sectional and Display Comple (on lond):

\* avD Costroller

\* DC Serve Server

\* Analysis of Error Signals

\*PLC / CNC + Stogging Motor Closed-Lacg Control \* AC Serve Meter Principle and Structure

POWER TRANSMISSION AND DISTRIBUTION MODEL PTD-2016

17 Fhans E. S. and T content around not

2. Revery Direct Projection Edward PRI), 2 pieces

18. Simulation of Power Plant and Standby Power

ACCESSORIES



\*1 # Mi-ways, Edi-code natifier

\* Make anotherwise clearly

Cleaning Machinery Control: EM-S101700

single-place buff-paris. Expliciture analy 871

DC notes characteristic openinent I-single-shaw.

Someway demonstrate experience III

\* At recent PAM Execution steed control device \* Digital practicion torque converte

PLC Control Lab (I): PLC-1632LExperiments

\* Digital Data Correction \* More and Company

PLC Control Lab (III)

PLC-1032LM Canadimenta

\* Motor control in two places.

\* Motor continuous and racks control control \* Assoratic starting current of a standby motor

\* Light Council (II) \* Lieft Costwi (IV)

\*\* aris Costed (N) \*Treffic Lists Cownel (I) \*Troffe Liste Council (II)

\* Presentic College with Manuatic Rend Switch \* Provenutic Cirlander with limit switch

#### www. SUNEOUIPCO.com Matrifunctional PLC Interface Trainer:

PLC-1968

\* Photointerrupted & Counter Control (III)



toude reinflox. Light counting protection Outward between the customers, dearl invarianced brinding country



n Strafoshore, 220V. 4 Stin.

5. O.1 - 656Hz Chrone Engage a Throughout AC228V 1880079V with continu

Output Interface: 16-outputs, deal insulated binding

pater LED-4 for cach court. 7) Semine Meter Modele Poles (PES) School (RE)

single-sole positiveing explorise. BOA4 1949 based Mesons

PLC Analog Tomographic Control Trainer: PLC-1001

\*14-charact-digital input: Dual insulated Nuclear

Approxime \* Manuscritte/Scriptersobile

- 14 -

Since 1988

Temperature Control Module: PLC 16A16

\* Therewoode temperature sening cleanest deech

Carrisposding thorsecouple temperature transmit

\* 4mm L-type cupper connection terminal block

Swirt User Interface Unit: NCL-1001

\* ARMS based CPUs 2005/01s and 1285/05 Oats

Shallh in USB Hart and USB Chirel serial cost Home Automation Systems HAS-18777



\* Madel home-contains those sets of feature lights, as

mater control card, carable of controlling up to 16

4 serve maters for weist, upper arm, fenseen, &

\*DC more input pins are available for believe input.

4. 4 Serve Meters

2DOT Ountrared Rebet DA.75003

Ker Festeror \* Ultra strong "C" channel contor of

Accepts any standard stay server

\* Leos can accomodate (2) different scalking hast

Order Toll Free: 1-800-870-1955 \*Configured 17 interpreted circuit module of smooth

PC1-497014

Don't need to open the commuter can

\* Supported by WIN 95-96 tree: 2000/32\*.

\* Suitable for supposite beneating Viscol BASIN' Viscol PCLABORA Conf.

\* I A D champels

\* Expect O - 5V \*Banac 4 - 129 \* Resolution: Il bits \* Resolution: 5 bits SECT Universal Cond.

\* 7 sugment display \* 8-big Dig cyclub \* Erdey street

\* B%-213 signal to communicate with a PC

Stepper Meter Control Card \*Those industries mades time observe two shows and

\* Use PT3 / 24, many investors.

\* Move wood controlled by pulse themselve. Electronics & Measurement Circuit Lab





von C sanguage \*Koll a Visian Studie for C owngram ods, campiling

RA-79005

Dring a DEY and "learning by dring agreement", this

Aug. The control his two consiller continuous continuous

RA-78003

brow Board and 12

DC motor, beating plain and weighing platform with " Integrated a speaker amplifier for playing music

Educational Robot Kit for C Programming:

DC 5V -+- 12V-24V nove

Structures are made of PC

\* Integrated 32 LEDs for a visual highst water

#### www. SUNEOUIPCO.com [All-Motor Robot: RA-4903002

\* Overall dimensions - 15.° (33cm) X 13.° (33cm) cure less fautations

\* Const Metal Brain Stone

\* Tangkain Braking Bosrins

\* Convert Design (6.55V) & Sen higher and 188bm it as limit

Small Scale Service Robot BA-T9000



Matrice that from and the reconstructor are controlled by the Philips be consecuted to PC developing and compared \*A variety of mounting below on the mobile startions's

"High gover we has under lithium buttery, how receive

Technical Specimentous:
"The reanipulator has faur joints, and a clamping joint, the

"Power requirements: 4 – 6VDC.

Super Robot: RA-4903010

Dumple programs include walk, pushed, file, and play

Al-motor ica smart sono, including many features for

The state of the subsection of \* Discourage 1 597 v 0 777v 1 447 vill 6 v 1007 v 16 6000 Till 6 vill 6

Al-Mater Der Rabet: RA-8939903

WS232 controller calls

Bardy Tuberbase Kits BTK-27845 mechanical parts in easy for expansion to install a variety of Think's is ideal for investor basis above theory Hi Lavinov white

Wireless Door Alort Kit: WDA-27833

IC Shartway Borober Kit ECS. 13830 Very may to build, yet no sender Olio

#### Since 1988

microshope 3.5 page

Two "A 5" batteries are required for operation. Faces Indoor Intercone FIL 2706

Wireless A. V Transmitter Kit WAY-22060

Storm Amelifica: SA. 27001 amphilior kinta usu

Touch Sensor With Control Delev-

nour Sopor can activate and 5A.5V hetery is required for operation Wireless A. V. Sone, Transmitter Kit

WAY-27000A Services of WAY-2200

#### Breadboards



Number	Skips	Skips	Point
38-344329		2	840
HB-344948		4	3598
88-344960	- 3		3450
155-544088	4		3264
Die	meralonic (	LaWaHisma	1)
BB-344020	168	54	8.5
BB-344040	215	139	9.7
88,344900	730	174	9.7

			BB-344960
B-344900 300 210	210	240	BB-34488
B-344998 200 210	210	240	BB-34498#



883-272040	2	- 4	1660
BB-272041	2	3	1,560
88-272000			278
BB-272860	4	- 2	3230
Die	техніст (I.	. Wa History	el
B69-272910	166	45	- 11
B61-272920	166	54.5	- 11
BB-272040		138	31
BB-272041	215	129	31
HB-272060	230	175	31
HB-272093	243	710	31

Powered Breadboard: PBB-6060

Supply: Fixed +5V (ETA) Continuos de referenda

5. Solderless broadbased with 2420 tie points

James Wires plostic box) to select from.

FDF-17056

Legic signal level 1.5V-6.6V 20x4V

Dispussion 13043 a 900W/ x 2000 mm Digital IC Tester: DIC-17801

\* Prepared by AC adoption or batter

Linear IC Testor: LIC-17002

2. Small, northly, light, and environmenting design.

E Reported States CR Community CHECK BRICK

3. Termenture +55. &Y to +255. &Y 5 Altende to \$800 m 3. Operation reasonal.

ERE-17121A

Universal IC Programmer: UDP-17048 \* High performance loss cost light metable and professional design.

\* Support line voltage components up to 2.5V

\* Summer FLASSI SERCOL device speedy recommendar

Specifications

ADC: ACCIonstalates Signal voltage: 2.5V ~ 5.0V

Vps, V80 Voltage: 1.6V - 25.5V/500mA Clock Discourage: 1 at V = 25.5 resulters, (Box, processing precodures of those

\* Sugrected devices

Suggested devices: System requirement

Pretium Eur histor, 17MN BAM minimum, MARS Window 95' ME/ 2000' XP everyting potentia.

Stand-alone Universal & Gane Programmer UGP-17320

Sizes and 20st LCD, son our select a resinct and

Provides a high-expansion facilities in macuair design in one and as single-side universal resourcement or SPI.



#### a Louis Signal Loyel: 1.5V-6.6V,18wV

s. Logic Signal Finguency: 25Mills cl.-555, constr-CAVA ANTECLEVA PARTECLEVA L IPP & ERIC Carnot: 190m3 \* Wester VIXA Character LCD, WORK & PASS LED

6. UGP-17328 Direction: 248cmsL3 = 115pmsWi-N. Support Division NOR PLANE, NPI EPROM. EPROM. \* Republica Assessment & Conflict Address

### Unicessal Game A Proposessano

Engleres

bandwidth and < +2.5cG sized skew. In addition to the instruction to the control of the control of the Control

c Loric Simul Resource: 75MB r (3-5V) 46MB

c Clark Blo-7986 i. PPS DECEMBED 158m.t

1 PSN Drivers CER-46 PBi Care Inventor Eventor 4 8. Supported Devices: NOR PLASSE SPETPROVIDE

## PCB Prototone Machine

\* Mandanas control manifestit on LED Andre

NVZ Driver, Supper rooms

## PCB-532866 Series



\* Surface and Tool Langth Descripe: PCB-513066

#### Since 1988

		PC9-1:00to	103102060	PC9-1020WG	KHIDM3
	monthly ton	05090	orone.	stor	MYMM
٦	Esolution		10	10	12
	STEMAN	Suppor	hgw	Segur	Sept
			its.	2	24
		6.7	12	4.75	12
					4
	March 1904 Dender 1905				
a	Country Country Country count	-		×	
	than Spinale Spinal Spini	14,400	10,000	21,000	16,606
	Sen justo	DAGINE			36.64 Tal
	Wingle (restrict		44	16	41
	To	ot & Me	avering	Equipm	ent

## Andia Communical Company AC-MOLAD

\* Attenuator: 0, -28, -40 48 & a fine reference

\*Propage Page 1001 - 1506016 \*Gato Time: 14, 0.14 \*Investment HF 1MO MF 190 Audio Generator: AG-2681A

1989e - I MHz. 5 bomb

\*Weide 7.8s

Million Meter MV-3100a/ MV-3201B

8.3 mV - 100 V to \*/IR Report -70 - 41-49 \*Acomey: 1,25 of full 15

\*Commercy Response: 16 Hz - 1 MHz \*Size & Weight 215 x 152 x 200 mm/2hov 3.5km

#### NTSC PAL Patters Generator CPG-136AV CPG-1367A \*Troquoxy Rang CW-136Av 4575, 175.25, 187.25 MHz CW-136Av 4575, 175.25, 187.25 MHz CW-136Av 318 5323, 187.25 MHz

\* Impulsace 75 II

Medulation Motor: MM-476020

BF Impuls
\* Property Hunge:
13/MF-2.0GHz

\*Tropology Hangin
1.3MHz = 2xGHz
\*Impedance: 50 II
\*Prophance: 50 II
\*Deviation Hange: 1.5MHz = 300 GHz in 8 magne
\*Wednkalance Range: 1.5MHz = 300 GHz in 8 magne
\*M Manazarramont:
\*Proph Hangin 576 = 300% in 6 magne

\* Modulation Rate; 50 Hz. - 540 Rt z. 20,5 dB AM Manageresist:
\*\*Dagh Range; 5% - 100% in 6 ranges
\*\*Dagh Range; 5% - 100% in 6 ranges
\*\*Modulation Rate; 50 Hz. - 30 Hz e 0,5 dB
Signal Output:
\*\*If corput: 15 w.s.f. rates mailing; 60 GD impodures
\*\*AF corput: 15 w.s.f. rates mailing; 60 GD impodures
\*\*OC enters 15 v. 0,5 dB; 10 GD impodures
\*\*OC enters 15 v. 0,5 dB; 10 GD impodures

AF Filter: Eurol-pan Elec, Stife - 5 RF Signal Generator/ Counter

NG-415/AD Comer stee 6 Froquency Roane 100K/~ 158/d He in 6 manger 2 EF Coppat. 190m Yens 2 EF Coppat. 190m Yens 100 Hz – 26 KHz Andria Coppat. 190k. Min. 190ms

\*Cystal Coolines 1 - 13 Mile (DC-GA) bolden see Included Frequency Counter \* Prospercy Honge: 10the - 1000Mile \*Coint Them 15 8, 115 \* According 1 count \* According 1 count \* Sounds viry; 25c/4-5ma/ (10 - 15806 lity) \* bgod beyedence

RF Signal Generator: SG-4164B
\* Frequency Hongs
1006 - 1390M Hz in 6 ranges
\* FSF Couper: 100m Vross
\* Accuracy: 4 3 %
\* Modulation: In:, 1 KHz
12st. SSEE2 - 288876

8

\*Weight 3.3 bs AM/FM Standard Signal Generator SG-4110A

 \* Proposing: 4000 et 1000, within a 3%
Signal Tracert Injector: SE-4100
Tracer Norion
\* Gales Max. 64 db et 1 000
\* Advantation 0-20-60-60 db
\* Input Impulsion: 1000 Q

\*Output Expodence: Exernal Speaker 8 Q Output: 600 Q (Unbellered) \*Speaker 2.25" \*Power Supply: 8 V hastery or AC: (General Lord) Mar. 4.5 Va-a \*Output Lord) Mar. 4.5 Va-a

WF-J182A/WF-J182A
\*Finguncy Range
Julius in Pro-SISCOIR
J15 Side = 1974 DEN
\*Special Volume
Special Inguillance
\*Special Inguillance
\*On IAU Unbehammel
\*Measurement Range
&St-Sid-Vil 27 Edit Sock in 5 mages

30 KG Unbalened

\*\*Monoment Karge

\*\*Accessing a 5% of 8d sole in 5 maps

\*\*Accessing a 5% of 8d sole in 5 maps

\*\*Accessing a 5% of 8d sole in 8 maps

\*\*Accessing a 5% of 8d sole in 885%

\*\*Dod Shonoment (VF-7005A)

\*\*I 5% at 16 % 13 Single

\*\*Tony Content: (NF-3185A) 108£ - 9.99 MHz

\*\*Color Trans (VF-3185A) 108£ - 9.99 MHz

WRURF Purser Meter 120: 330 \* Troponcy Range 220: 138 – 520 Mills \* Mossauble Purser Range 0 – 200 W

Monomobile Prove Kango () – 200 W Prove Kango (20) 2000 2000 PP Prove Monomome Accounty, 4 W Rango ( ) 10% of full valid 2000 Rango ( ) 5% of full valid 2000 Rango ( ) 5% of full valid 2000 Rango ( ) 5% of full valid Man Prove Se 500 Monomoment; 4 W 500 R Monomoment; 1 – 60 Insertion Lanc Lanc Band Day ( ) Insert ( ) America ( ) 400 Insert ( ) America ( ) 400

\* Input Output Commission Flags: 50-239

mW RF Penner Meters: 340

\* Frag Range: 13-500002;

\* BF Penner
3hcW (20hcW/2W

\* Imputation: 50-22

\* YSSEP-1.15

Norther out IPAC Type SWR/ ANT, Field Strength Indicator RF Power Meter; SWR-3P

\* Moor Sensitivity: 200 n.h.

\* Accuracy: SNIR. 2.5%, Power 2.10%

\* Responsy Range: L.2 – 150 Mile

— 19 —

\*Sampling Turn 0.4 Seconds \*Sampling Turn 0.4 Seconds \*Sampling Turn Stage \*Sampling Second Second Second \*Sampling Second Second Second \*Sampling Second Second Second \*Sampling Second Second Second \*Sampling Second Sec

\* Proquency Range.

1.5/Hz - 299 MHz in 6 bands

\* Modulation:
Aggres. 2 Elib nine wave.

\* A seel socket one he used to come a Crystal Oscillator (not included.)

\* An analise signal surgest socket.

\* Provued by a WY OC battary.

Distortion Meter DM-3164B (LCH) / DM-3264 (2-CH

DM-3H4B (I CH) / DM-32H (

"Optional 333Hz files for fixed harmonic distortion (EPF). 333Hz files for total harmonic distortion (EPF). "Input level mage: 3mV to 180V.

Ratio measure range 2008.

\*Automatic switching range of frequency:
Fundamental frequency (fo) 1.19%.
Fundamental rejection: > 48681 at fo a5%, > -3688 at fo a6%.

Financial registrace (\* 4000 at 10 07%, \* \*) at 10 07%, \* \*) at 10 07%, \* \*\*).

\*\*Hamonic accumacy: \*\*8.500 between 1.8 to and 2002b.

\*\*Accuracy: 1.5% of full scale.

\*\*Shorter corpor: 1 Verse (at full scale).

-0.00 100 / 16.3 / 15.7 30 / 1807 of full scale.
"Enquency enquest:
-0.548 between 20 to 564316.
"Enque impodence: 100601 i.5% Unhalance = 70

\*1168 between 201s 100KHz. \*Input impedance: 800KH 15% Libhalance - \*Auszeracy: a7hi of fid. scale. \*Power supply, 6C 115 / 224V + 19% 59 / apprex 4VA. \*Size & weight \$224 (Wx) 230 KHz v 2 600 (D) were.

AC Clamp-On Meter ACM-13000 ACM-13375 ACM-13400

88:20:186:200:1800A.(ACM:1300) 6/15:66/150:200A.(ACM:1325) 6/36:66/380:600A.(ACM:13400) \*ACM: 150/200:756V.(ACM:13000)

## www. SUNEQUIPCO.com

190/300/600 V (ACM-13600)

\* Brokknov (SA), center reading at 250

\* Accumey: ± 25% of the full-scale value

\* Weight: 1 lb

Digital Clamp-on Moti \*DCNACN 1KW 150V \*ACA: 600A \*Rosistanc: 18822 \*Continuity, Data Hold \*Diplay 10000 \*Ar Ston 35mm

\*Size: 97x 3.257x 1.3357 \*Wight: 2 lbs Digital Clamp-On Motor CLM-03655C/ CLM-03655

Features

\* Data Held function

\* Praix Held function

\* Praix Held function

\* Lon battery indicator

\* LCD deplay

\* Octofood protection

\* Harry duty, Man. 2008A for

DAC or ACA by the industric Condustor Specifications \* ACA 10 DCs: 280A – 1008A \* ACY 280V – 190V \* DCW 200V – 100V

\*DCV: 208V = 1000V \*Tongo: 400°C = 759°C (CLM-400°C = 1000°C (CLM-\*Resistance: 2000°C \*Size; 9.1° x 2.8° x 1.4° \*Weight 0.91° \*Programme: 2001g = 60001g

\* Proposecy: HORE - 600KHz \* Diode and Continuity tests Digital Capacitance Meter

DCM-01128

\* 5000 Counts Static Reading Function

\* Tolorance Mode

\* Tolorance Mode

\* 1 % Build Accuracy

\* Fall AutoRanging
\* Fall Pools Bellow Operation
\* Wide Range with 0.1 pf\* Ros
\* Lange LCD Display

\*Range 500 pF - Stock

Property Counter + FC-5359C/ FC-5270A.

\*Property Range:
PC-5259C 10 Hz - 200 MHz

\*\*Polytecky Mangles\*\*
PO-5290C;1014z - 200 MHz
PO-5270A; 10 10z - 1.2 Gdb
PO-5270A; 10 10z - 1.2 Gdb
\*\*Accuracy: 21 count
\*\*\*Accuracy: 21 count
\*\*Mus. logue: 10 Vyp
\*\*Input Sensitivity: XVeV, 30 - 200M Hz (PO-5270A;
\*\*Sensitivity: XVeV, 30 - 200M

Froquency Counter: FC-832700
\*Froquency Range:
19 Mile, 500 Mile, 2700 Mile
\*Data Hild, Froquency,
Memory Mile, Ave.

oxellator) time bose, high stability & accoming \* 8-digit LCD • Size/Weight L17 x 8.5" x 3.5" 8.27 lb \*Ranger 10, 504, 2508 1610
\*Frop, Print J. Mich. Armeny,
Refeire, Mer., and Min.
\*Accesser; 217 PSN-5-56
\*S-day LEO-doplay
\*Wingle: 0.72 b
\*Function Generator: FG-2100A

Function Generator: FG-2100A \*Floquing: Eastern Collection of the Collection Size, Square, Pales, Ramp \*Output Sarkyo-2017-ya (open) \*Arternative Sells, Salada \*DC offict: 40 Y to +38 V

\* Symmetry Distantian: 20% - 80% / \* 1 % \* Sym Output: 3 Vipe \* VCF10 - 10 Vometal Frog. to 3000 : 1 \* Size: 3.57 x 4.37 x 57 \* Waight: 7 lbs Function: Generator: FG-2102AD

Function Generator: FG-2182AD

\*Frequency:
0.28fe-2 Mile in 7 mages
\*Accuracy: 1 must
\*Pagashase: 50Q-1 8FA
Gast Time 0.1 S, 1.5, 105
\*Wassians Size, Name, Pohe, Trimel, Rare

\* Winchism Sinn, Signon, Polin, Triangle, Rai \* Output, SatVip + 20Vip + (apps) \* Assessment + 45, -20 db \* DC odfut - 40V to +30 V \* Systematry, 20Vin - 40 Vs \* Systematry, 20Vin - 40 Vs \* Distortion: +1 Vs \* Store Copper 3 Vyp + \* Store Copper 3 Vyp +

Spin Chapet: 3 Vp-p TTL & CMO6 Output VCF 0 - 10 V control Freq. to 1800 : 1 Uspiky: 4-digits with Hz, KMz Size: 8,5" x 4,25" x 10.35" Weight: 8 De

\* Emparing 4.5 lin - 3 Mile in 6 ranges \* Emparing 4.5 lin - 3 Mile in 6 ranges

\*Repeated Set 201
\*Accordance Set, Color,
\*Novelenes Set, Space,
\*Things, Rang, \*Pubs, and \*Pubs
\*Amplitude 25 Vipe open circuit, 30 Vipe/SGI
land
\*DC offact -00 Vin +18 V
\*Roof Fall Time: <0 Vis

Syn. Output
\*Rise Time: < 40 of
\*Level: > 5 Vp-p (open)
\*Wavelines: Square, Pul-

Peopl \*Mole: Lincar Log Sverp \*Width: > 108: 1 continuously varie \*Swarp Curput: 18 Vlys(open) \*Output Impolanue: IRIO Counter: (FU-22022 eds) Since 1988 • Generator : FG-2289 FG-2285

\* Fraguescy: 0.5 Hz ~ 5 MHz in 8 mm;
\* Impostance: 50 to 2 to 25
\* Answerstore O, -3 MHz
\* Viscolarus Solos, Square,

\*Frequency: 1.5 Hz - 5 MHz in 8 ranges
\*Impolance: 50 Ez : 2%
\*Assumation: -0.34Bl
\*Wandstone: Sine, Square,
Trinnigh, DC
\*Anaghtade: 28 Vspp\* open circuit, 10 Vspp\*30G lose
\*SC office: -10 V to +10 V

\* Amplitude: 20 Vysp/ open circuit, 10 Vysp/2002
\*\*Dict office: -10 V to +10 V
\*\*Bool Fill Them: <06 to
\*\*Distortion: <1 V; when f < 100 KHz
for, Output
\*\*Bioc Time: <00 to
\*\*Bioc Time: <00 to

\*\*Sweep Chaper By Sweep

\*\*Mode: Linear Log Sweep

\*\*Wide: Linear Log Sweep

\*\*Wide: 110: 1 continuously variable

\*Sonap Chaper: 16 Vp-glopes

\*\*Output Inquidance: 160: 276

\*\*Output Impolance: 1820 a 27h Constite: (FO-22052 mby) \*\*Display: 5 dignt Rad LED display with Autocurge \*\*Display: Barger & 2 Hz – 60 MHz Function Generator : Function Generator : FG-454-210: FG-456-42C Maile content

\*Frogenics\*
176 459428.0.2 Hz = 16 MHz
176 459428.0.2 Hz = 26 MHz
\*Find 459428.0.2 Hz = 26 MHz
\*Finguinness 500 ± 19%
\*Antonialises 02 20 40 40 60 Hz
\*Antonialises 02 20 40 40 60 Hz
\*Antonialises 02 MHz
\*Antonialises 02

State Water

\*\*Observing. < 0.5 % when f < 100 kHz

Square Water

\*\*Sour Fall Trans. < 20 sS

\*\*Entire Water

\*\*Linear, 90%

\*\*TIL couper, Low < 0.5%, 18gh > 1.5%

\*\*CMOS couper Zive - 15 Vire adjacable

"Stude Linear Leg
"Wath 1900 adjustable
"Thee Here Speal INA
Amplitude Michightine
"Maptit 0 - 100%
"May 100 -

"Ext. sensitivity: OV – 2V "Extplay: 5 digits (INT.), 8 digits (EXT.) Country: "Freq Range 8.2 Hz ~ 9000Hz (EXT.)

\*innet immediates 100400 + 16%

20 MHz (FG-456-CC)

\*Injust impodence: 508xD/30yF

\*Time-base: 1654Hz

\*Size (WodHoD): 9.5"\\ 3.15"\\ 8.65"

\*100(1201)(100) He

H or Barrey Infrare

LCR Meter: LCR-01139/ LCR-01131 \* Basic Accuracy, 0.5% / 0.7%

2006H - 20HH/LCR-011205

Copseitance: 200 eF - 2000 mF (LCR-01130)

Mini LCR Meter: LCR-43962

Bookston Latt - 10 of

6 Bases 2 of - 200 of

6 Ranges: 20002 - 20002

\* 999 counts for D/O-display (LCR-H1131 cultr)

O - IZACAMMATTOTTES 0 - Story (AMM-1STATE 0 - 500 EA (AMSI-15300TE)

\*Spec 158mil 15mil 15mil (AMM-1190TE) 150m. 1 5 15 150m. A/AMM-11ASSTP) Distral Multimeter DMM-1228/-1239/-1249/-1259

\*DMM-1220: Fina + Burney Ten \*794041130 Frog + Can \*100551230 Freq \* Cap.

\*DMM-1293 Fina + Cup. + Battery + Temp \* AD 'DC 10 responses to 10A floor production \*ACV 2004, 2, 26, 260, 150 V

\*DCA/8CA 200mA, 2mA, 20mA, 200mA, 10A Copertunes: (DMM-1228 N/F Out: New Years Aug. New

\* November 1.80: 155 he

Mini Digital Multimeter DMM-15810 DESCRIPTION OF THE TWO WAY

By Madel Number

"Sampling talk approximated 4 times per second.

Burneth Top Dissipal Multilipator

Digital Asto-currier Multisyster:



Brech Tay LCR Meter: LCR-81313

\* Deal display, Deal-Parameter Messarement \* Ladactacke: Intel® to 1000001 \* Copperator: 1000ye as a

\* Auto: Manual Ranging, Parallel & Socios Medio \* Sign 9.1" v 18.35" v 2.75"

True RMS Digital Multimeter DMM-842884 "Min Mexitor hold in Real Time

#### www. SUNEOUIPCO.com P5-480003D: 23bs 10Y - 20Y DEV. + 35 PS-496803: +4g/V / +3g/V / +3g/A THE CROSSES, NAME PS-687007 178w PS-489000 XIDs Single Output DC Power Sangle PSG 286940 (BODGG 288840 (BBB56) 286100 Sixely Output DC Payer Sanahr PSA 483030 484828 484030 488808 488030

PS-4500301 00V

\*CC & CV variable

PS-488810 and PS-488820: 1 Brook ( - Snot ( - Snot )

PERMITTER AND

Varied Output BC Power Supply-

PR-APPROVED TA - 7 PE-180085 TA

\* Shall Owner PS-450031, PS-450031

\* Shall Owner PS-450031 PS-450031

\*Biological Military on Contract City on a

PS-480000 - 10wW / - 5wW / - 13wW

Owithwese (16 MHz) \* Phinalist Arme 8 x 101 DC 6-19369; AC 108e-10369

 Equal Coopering: CAL, GOVER, FAL.
 Marc. Event Violence: 4809 (DC + ACpeals) 0.1 of DEV -0.1 end DEV + 7%

- 22 -

\* Mode ALTO, NORM, TV X-Y1 Olivation \* Direction Fortier 3 to 150 father + fact DC 8-1 Mile 4C 18 Re-1 Mile

Oseillaneaue (20 Minor OSCHRESSIVE COT

Since 1988

heV-1V/DIV.+5% 0.2mx - 0.2x/200V = 2% Trimor Mode: AUTO NORM

Williams Services 1 VDDV + 4 %

limet limedance 20 - 14 kV ойнасе 1148 г.В.З Урерацияе мате mil Weight 135 v 172 v 430 mm / 7.5 km Oscillaneous (25 MHz)

OS-22250 OS-22251 \* Rephysion DC - 25 MHz \* lower longed-spec (MO) Free Regons Sed-State DC-25 MHz

1nV-TVDEV +5 % (c) Mode \*Opposition Market COLL COLL ALT CHICK ACCU \* Poletty Revered : CH 2 only

\* X-V Plane Difference: 2" at 50 kHz Street System Street Street Street Street Street Tripper Mode: AUTO, NORN \* Mos. Est. Trioner Voltage: 2007/DC

Oseilloscope (4) MHz) 05-2240 (05-22405) 05-4564 Vertical Superv

Seet - 2010 Div. + 350 OS-4560 CHI, CHI, DEM, ADD CHI INTO

11. Tileger Modes: AUTO, NORM 08-45040; AUTO, NORM, TV-V, TV-H

1-th-Hammer was Then a 1-th 14kHz square wave, 2 vp-p. = 3 -14kHz seque wave, 8.5 Vp-p (US-45040)

05,72409 05,72409 17.87 x 5.77 x 15.67 17.7 lbs

Oscillaneous (60 MBtd: OS-22600/ OS-22605 Southery: Statistics - Strike v. 3 % \* logus Impedance: IMEL: 2%

\* Operating Maday CHL CH2, ADD, ALT, CHCP \* Man, Joseph Vedicary 4000 DC + 447 week

Accuracy: X-Asia: + 6 %, Y-Asia: + 3 %

Calibraty 1 kHz Saustrony 0.5 Year o 2 %

New & Worker 12 8745 2745 507 15 7 16 Oscillarcope (100 MHz): OS-221000/ OS

\*\*\*\*\* \* Input Impolance: 154Q + 2% // Approx., 25F5 \* Brandwidth CVC - 106MELC NED \*Mide MAIN(A), ALT, DELAYOR (R) Stars - Stars DEV

\* Moder: AUTO or NORM \* Buel Trace, Deal Trigger, X-Y Counties Digital Storage Oscillancese: DSO-3200C

\* DSD + Lorio Some + DSM +Free \* Francisco: Turiod Mode \* 4000 Courts Automore DNA

\* Auto Vara Capture

DSO-51159C/ DSO-5125W

Traces

Mersey Length 32KB4CH 20KBCH

Inna Innahaor I MD / Ames. 20 of Send Coupling: DC, AC, GND

ADD, Sultmat, Invenior

Sport Time Embodos: Smith: - 0 builds Red Time 6.75 with - 0.1 side

Made AUTO Named Strafe Conding DC AC LERvise SEE Brise

Sinc Weider 12 9">12.7">15.9"/ 13.2 Bu. \_21\_

DSD-55100CDSD-55150CDSD-55200C Registre servoline 1006/50 E-COL MEASURE

| Digital Oscilloscop

Scientable analog bandwidth: 20 MHz Input Coupling: DC, AC, or GND May Depot reference 1984 + 2% May Depot reference 4005 (DC) 4C mod (v) 1004 Profession States - Nation

54976k-100885c, 348 (\$90.558108C) Bining Time: 5.8ps/DSO.5584971

Emission: 180655 Equivalent: 5G5's (D5O-55060C)

125ex -2.5ex/dix (DSD-55169C)

Triangues State TO B TO S Max. Safe voltage: 400V (DC) AC gook) = 1814z

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Analog Basalation Tester ATT-13909 ATT-13904 \*Basis Valugo Basistanic ATT-15905 500 V1000 NB2 1000W/2000 MB2 ATT-15906 250V 2300412 1000W/400041

50/01/1000 MB2, 1000W/2000 MB2 ATT-15096 25WY 75006BL 50WY 75006BL 50WY 75006BL 50WY 75006BL 50WY 75006BL 7500W/2006BL 750

AFT-13935: 1 mA; AFT-13904; AC Voltage: Range: 0 - 600 V. Accorney: 6 5 % of full scale between Resistance: 8040; Frequency Range: 40 Hz = 70 Hz. Continuity: 8 - 10042; Accorney: 6 5% of full scale. Open Crossit Voltage: 100 eV.

Accuracy in 5 % of field under Open Count Visings 100 and Short Chant Cleronic 20 and Academ Installation Tenders; AIT-13999 \*AC Visings; A County in 5 % of field under Like Prox, Ranger 4616 – INTo \*Continuity.

Accounty = 5 to 6 fall scale
Open Creat Terminal
Vallage = 600 DC mV
Short Creat Terminal
Curren 340 DC mA
Tendarion Resistance
Maga Cham 0 - 500, 0 - 1000, 0 - 200042
Accounty = 5 to 6 file scale
Short Count Terminal Current 20C mA

\*\*SEC.65\*\* 0.50\*\* 0.50\*\*
\*\*Wight 2.1 ib

Digital Invaluation Testor

HEF-32316\* DRT-12211 / DRT-12312

TRT-32306\*
500 HEF-32315 X V

DRT-32506\*
HEF-32316 X V

DRT-32506\*
HEF-32506\*
H

Digital Invalation Tester DET-13801/ DET-13803/ DET-13804 \* Invalation Voltage:

0.5 (-2.3/5 KV(DIT-13805) 1/2.5/3/16 KV(DIT-13804) leodation Resistance 100020003000 MD (DIT-13805) 20098029/29/09 GD (DIT-13805) 56/25/5/56/90 GD (DIT-13805) : 15 Sofrág: 1 dgs (1388) 8 - 50 GQ: + 2 Sofranding (1380) & 128 John Branderfen Tanter

Digital Installation Tenter
DRT-135561 DRT-135561
\*Rated Voltage Resistance.
254V-254M (2004) 20040 Q
ISV-250M (2004) 20040 Q
ISV-250M (2004) 20040 Q
\*S-12-250M (2004) 20040 Q
\*S-12-250M (2004) Q
\*S-12-250M

with maximum reading of 1999
"Foot Violage, 205, 568, IEV VDC
"AC Violage Range to ~ 759 V
Assumpty + (I.5 % sig +2 dys)
"Peopolesce: 18 /
"Peopolesce: 18 /
"Continuity:

1.5% sig +2 dys

1.5% sig +2 dys

1-35 Di-25 sp +4-sps 1-35 sp; 2-4 sps 160-2803 + 1.55 sp; 2-2 sps (BIT-13551 only) \*Short-Creak Curron: 3 mA Electrical Natowerk Analyses

Electrical Network Analyses LPL-19826 Loop Impolates Range LE, UN 0.03 - 20002 Accuracy 4% ng v 2 dgs

Annuary on high 2 dig Foot Carmani and hope 11.55A at 2500 5682 Voltage Measurement An, Leb 51 to 568 VAC done! Fands Wed Natural What Line Wee Radianase of the 1 2008 th Annuary of the high 2 digs 4595 Carmani (A. J. Leb Mee, 48A at 2300

Restaurce (1011 - 2008 E2 Accuracy) (5th silg = 2-4ge PSC Camerell, N. L. E.) Mon. 64A et 2399 Accuracy (15th silg = 5-4ge "Opening Voltage 2349); 26 at 58Ex (4nd \*Power Science: 1,5V (AA) = 8 Hantries Acading Earth Resistance Texters ICR-13548

10/100/1000 (2-wittes 2%)
of full male
of Sulf walks range:
30V AC
\*Accommey: 9 2% of 8d scale
\*Powerally 6 AA hateries
\*Powerally 6 AA hateries

Digital Earth Resistance Tester: DER-13520

Digital ELCB Tester: DEL-13826
\*TRP Cornel Requi0-13ct 2177 = 75
of olg 2180)
\*Resistor: BrA
\*Questing Volum:
100 - 200 V = (75 sig-1 dg)
\*Thus Analo Setter 0-100 V sidentific

\*Powered by S.A.A. betteries - 24 - Since 1988

\*\*Sugge 2 to Analog ELCB Tester: AEL-13818 ELCB
\*\*Vicings: 200° AC = 17%
\*\*Vicings: 30 - 50 rah AC
\*\*Traquang: 200° AC = 17%
\*\*Traquang: 200° AC
\*\*Let SCOR\*\* GRC1 Tester
\*\*Let S (ELCB SCOR\*\* GRC1 Tester)
\*\*Let S (ELCB SCOR\*\* GRC1 Tester)
\*\*Let S (Schrift Strang Acch)
\*\*Mone: Tuest bard newsman

\*Three wires operation:
LEN (with wiring deck)
\*Mour Tan thand movement
\*Promotion Fund, 100mA, 259V
\*Size 6.55\* x 6.5\*
\*Weight: 2 by

\*Range 65 Rt. - 500 Rt.

\*Rangholist
10.01 (10.05 - 59.59 Hz)
11. Hr. (100 - 500 Hz)

\*Input Volume: 5 - 250 ACV

\*Size: 5.5" 1.2.8" 1.5"

Ancessancter: AM-63261

\* Bange: Od to 38 m/s.
\* Missaurament m/s, ff min, km / h, krats.
\* 18 cans LCD, 3 % dight.
\* Llow fiscion hall-bouring some
\* Data hold
\* Blaumistance
\* 2.35° x 3.15° a 1.275°
ference head. 2.85° Dia.

Amoran Hamidity Motor: ABM-03205
\*\*Amora Mate: Od-to-25 m/s,
\*\*Manuscursor: m/s, f/min, km/s, km/s, Temp.
\*\*Hamidity Motor:
10 - 95 % BPL
Temp. 18 - SPL
Mate, Min. 89-222, and Data Hold

Sensor 6.25° x 1° Dia. Hamildity/ Temp. Meter HTM-400605 HTM-40000 10 - 65° 6.001, 32 - 120°5, 70°5, Hold, Memory Boodi Separate Probe, H. am LCD \* Problem for the

"Stare Probe 1" Din. x 6.25"
Main Instrument: "Y x 3" x 1.25"
"Optional type K temperature probe
Light Meter: L.M-63167
"SC 2007 1000 Lee, Dan Held

\* Let, Nearlit, Mer, Ma, Zer \* Teapen, Planecon, Mecory, Solian \* Size 3.1"x2.8"x1.2" \* Weight: 0.77 by

\* Weight: 0.77 for

LUX Meter: LUX-03101

\* Engin

0 = 2.78 × - 200/208 × - 500 Lux

\* Sangling Time 0.48

\* Nover Supply: 00/59 battery

\* 30 - 138 dB in 3 mass Infrared Thermometer: TM-032000 \*The best thermometer in the world

\* Infrared measurement range

\* Max, recognizated range: 5092 'F (with type R control

Precision Thermometer: PTM-03917 \* Max. Monargnest Range

\* Surgiling time: 0.4s \* Commune software (Onload)

Digital Contact Tachometer

Surface Second on heirs, Priming \* Display: 1 display 0.4" LCD

Green Digital Photo Tachomete \* Measuring Distance: 50 to 158 mm. \* Diselect 1 district 0.4" LCD

Dietral Watt Meter: DWM-03060

Digital water Steten Dw Acceptance of PLATS when I did to Impolance LMO \*ACAJ DCA

Acceptance: 4 (8.8% pdg + 1 disc) Innahor I MO \*Display: 0.5" LCD

Server Amelioner SA 62662/St 02002

\* Carely Codes models of microscopes 1 States in 1907 and 1979 and 1979 and 1979.

Volume manuer 10 MCV to 680 MCV curto manuer

20 6/2004/20000 (1700 6)/2014/2004/20000 Material committee of the school of the Printer

\* Integration from the data begans 2 assemble to 1206 \*Connect the optional USB cable to USB 41

Filhery Miller Chebada basedon I \*Close: 522g

Clasp Jay: 50 mm (2.0 ind) - outside Three Plane Power Analyses: PA-43095

\* V Johann to ethnici

\*\* inhorate grand) \*Airboragnasi \* Place ando

\*Horney dele \_25\_

\*Motor SEEs ( includes bettering ) \*Chem: 463c

Bonch Ton Power Analysis: PA-62699A

Actoristic meledian, 5.5 Indicates resons reducts. W. VA. ACA. ACV. PF. Hz: Approx. 1.5 Sec. DCV DCA OFFM Assess 1 for

280 x 210 x 90 mm ( 11.0 x 8.5 x 3.5 inch ).

Newsylon.

upay: Large LED disable: 4 disb LED

#### www. SUNEOUIPCO.com Loric Palser: I.B. 82882 Function Relay 1 : Control school Date Output ESTST (1998-PC Computer interface Louis Prober L Pulmers

Approx. 4.9 YA/AC 23/V. Dispersion: DEN size : 96 x 48 mm

Model Man Perent Sintrest Weight Kan

AT-49099 SEVA-203 245x248x272

Perfect Leads: HP-9868

\* Bandwidth 6 MHz

\* Impat Capacitance: 90pF

F. Wookken Volume: 6005 May Cable Lough: 4.6.0. Proban/Test Lands: HP-2109/HP-2100

FL 6 MHz-SIP-91008 \* Invest Mandatance 1 MCI \* Input Department AS edition 23000, 98sF (189-8108)

\* Bundwich: Thouse-\* hour Considered 14 of \* Attenuation Ratio 1 : 1 \* Working Voltage: 600V Min. Cable Length: 4.6 ft

Perhap Tost Lands UP-9755 \* Attenuation Paris 200 : 1 \* low t Counterer 6.5 of \* Working Voltage: 1200V Ms.

\*TTI DIL UTI CADO \* Diselyes pulse property à \* Max. Input Freq.: 50 NSS Cornert Books: CT 003000

1.6CV/30.5 780.6 7880.6 Fig.blcooksloveh

To a from a from a from the first terms. 2nd magarvatur: 5800 A

High Voltage Probe: HVP-22815 \* Mari, AC: 108XY resi.

\* Input Capacitone: 3 6 99 High Voltage Probe Motor HVPM-22840A/ HVPM-22640

\* Englisher IKS Bod Held Automoracy

Voltage Tester: VT-1631A Display: 17.45.170.775.490.010 12-59-150-300-500 VDC

Line Clevelt Between Valture Testure \* Resp. 18 - 445V AC

Since 1988

larges, hot wires, defective

Phase Sequence Indicator PSL13880 PSL13860

\* 3 in 1 desire: Own Place, Pl

\* Input Vellage: 190C AV up to 400V AC \*Wests PSU/1850 51to PSL/1866 183v

Temperature Probes \*TP-60000: -60°C - 200°C \*TE40004 -500 - 4000

Automotive Digital Multipater ADM-9538

Barrer - September 1979 - 1979 Range : 290ev 2/20/200759 V Banar (200'25/206/2006) 280 28/20 200 26/40 Assumey: +-12 rda % =2 date

Agograph: 1-01.5 % rdg + 2-dgro (DCA) 3/4/3/6/3 collectors, + (1.2 etc % + 1 ctc) Temperature Temperature 2000 Can 2000 C LOS East LANCE F Accuracy: A CL2 add 56 A LACO

Automotive Distrat Maddinator

\* 5800 County 53 Secretary



\* Adivable Trieser Love \* DCV- \$0x00 500x00 500 500/ specific sector

\* DCA: 500xA (5xA/50xA) 500xA (5x1 104

\* Dwdl Ande: 1/2/3/4/5/6/8/18/12 Cylinder 100Hz/ TKHz/ 1060hz/ 10060hz/ 156hz/ 1060hz

Automotive Diagnostic Analyses

ADA-32990

\* Sample Base: 20 MS CS (2005) \* Voltage Range: SerV - 20 V / do

DAMA Tot I code Inductor School Compiler Sidem Allianter

\* DMM: DVC / ACV / Ohm / AMF /Contractly Accuracy: 4000 counts is 0.5%

\* Responding 2 "D" cell \* Now of Completion sentence with T on A conference on the

Industry Timber Liebs: TL-86228

\* Personalité : molacophie leude

\*Trigger switch professes tube and circuit lives. Advanced Inductive Picken Timine Liebi-

metal case

\* 12 volt DC operation - reverse polarity protected District Advance Timing Links

Lance LED deploy for may reading.

Technology 200 - 10000 KPM

Took & Tookin

D-or Disctrook Tool Kit: TKE-D

Marc Electronic Tool Kit: TKE-16

Eate Parts Tabe

19-ne PC Electronic Tool kit:TKE-19 Friends with Somern & Boss

Pict reducted

Phillips # 1, # 2, Secker, 316 TKC-ICS-08

IC February Trecorns Extracia with source & Baro.

IC Trecory THE and Life was driven.

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SEAS (\$6.31817); 499

Optional Time G1 (1/32"), G2 (1/04"), G3 (1/10"). ------... ra\_1-q Total Control of the last of t

SE-AGRICULTURES, ST-AGRICULTURES NW. Optional Tips: B40(1/32") D-28-(1/32") B-05 District District District District

SHARTSON, STREET, LINES NTS-50-1300/3000

KIN-100 2307 9070 KN-88 1257 509 Oppoldering from / Soldering Pot

SPS-700050, SPS-700000, SPS700100.

SPS-700000, SPS-701000 Per-Chaus Charge Page | 2005

Opening owner logo : 2.72A David Software 1 400-1505/de From corners : 15A

Owner colour : 15A MPPT officiency : 90% Surgrabuster: \$20csec 2004

Modulating components: 4th 40 nm source place

Merrick - Alsonine Eigh : Angle topport (c) Serv recourses: Stainless

Solar Pewer Parallel

Batelonus Pres - 2000 \_79\_ Potestance : 200000730000740000 Input voltage : 158-580Vide

> Durput voltage: 2209/2309/2405 Protection class : IPA3/IP65 Ought certified: VDER(26-1-1.

Wind Pewer Parallel WPP-781888, WPP-782886, WP-783888

Retail power suspect 1500W / 2000W / 3000W

Brandaness water 1500W / NOORY / NOORY

Watches meter : Needs about 224V

observation Present SWP-7003005 SWP-7004005', SWP-7003000L SWP-7004000

Charging efficiency: 80% Charging rathed: CV, CC, Floring Duality certified : CE, FCC

Poted nature Press, 120W