

9.- THERMODYNAMICS & THERMOTECHNICS

9.1. FUNDAMENTALS AND BASIC CONCEPTS OF THERMODYNAMICS



TBCF
Bomb Calorimeter

with
EDIBON
SCADA



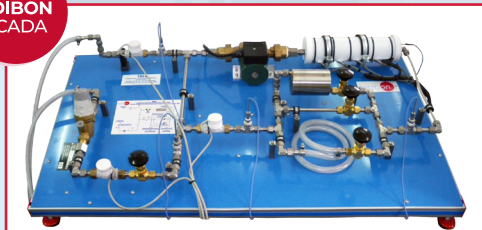
TCESC
Computer Controlled
Separating and
Throttling Calorimeter

with
EDIBON
SCADA



TECMC
Computer Controlled
Marcet Boiler Unit

with
EDIBON
SCADA



TRLCC
Computer Controlled
Recycle Loops
Unit



TMTC
Computer Controlled
Temperature Measurement
Unit

with
EDIBON
SCADA



TLBGC
Computer Controlled
Gas Laws Unit (Boyle
and Gay-Lussac Laws)

with
EDIBON
SCADA

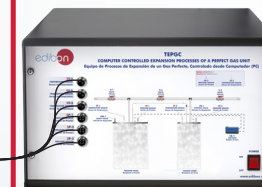


HFCC
Computer Controlled Flow
of Compressible
Fluids Unit

TEPGC
Computer
Controlled
Expansion
Processes
of a Perfect
Gas Unit

COMPUTER CONTROLLED
TECHNOLOGY

EDIBON SCADA System



Control Interface



Data
Acquisition
Board



Supervisory
Software



9.- THERMODYNAMICS & THERMOTECHNICS

All these units are supplied

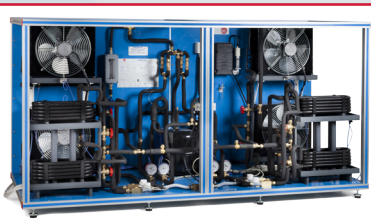
with
EDIBON
SCADA

9.2. HEATING, VENTILATION, AIR CONDITIONING AND HOT WATER



TEHSC
Computer Controlled
Unit to **Study the
Efficiency of a
Heating System**

9.3. HEAT PUMPS



THIBAR44C
Computer Controlled
**Heat Pump + Air
Conditioning +
Refrigeration with
4 Condensers and 4
Evaporators (Water/
Air)**

9.4. REFRIGERATION

TRCVC
Computer Controlled **Vapour-
Compression Refrigeration
Unit**



9.5. THERMAL HYDRAULIC PIPING SYSTEM



TEDT
**Thermal Expansion
Training Unit**

9.6. HEAT TRANSFER



TSTCC
Computer
Controlled **Heat
Transfer Series**
TXC/CL. **Linear Heat
Conduction Module for TSTCC.**
TXC/TE. **Three Axes Heat
Transfer Module for TSTCC.**
TXC/TC. **Ceramic Heat Transfer
Module for TSTCC.**
...and more.

9.7. HEAT EXCHANGERS



TICC
Computer Controlled **Heat
Exchangers Training System**

TIAAC
Computer Controlled **Water-to-
Air Heat Exchanger Unit**



9.8. THERMAL MACHINES



TGFA
Computer Controlled
**Axial Flow Gas
Turbine/Jet Engine**



TMSC
Computer Controlled
Stirling Motor

9.9. INTERNAL COMBUSTION ENGINES



TBMCI2
Computer
Controlled
**Test Bench
for Single-
Cylinder and
Two-Cylinders
Engines, 11 kW**



TBMCCG
Computer Controlled
Exhaust Gas Calorimeter

9.10. INSTALLATIONS AND MAINTENANCE



TRAMC
Computer
Controlled
**Refrigeration and
Air Conditioning
Modular Unit**