

14.- BIOMEDICAL ENGINEERING

14.1. BIOMECHANICS



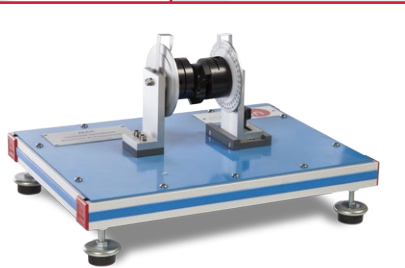
MCA
**Four-Bar
Mechanism**

with
**EDIBON
SCADA**



MBMRC
Computer Controlled
**Balance of Reciprocating
Masses Unit**

MAC
**Coupling
Mechanism**



MEX
**Cam and
Follower
Mechanism**



with
**EDIBON
SCADA**



EEFC
Computer Controlled **Fatigue Testing
Unit**

MGE
**Gear
Generation
Unit**



14.2. BIOMEDICAL ELECTRONICS



LIEBA
Basic **Electronics and
Electricity** Laboratory

More than **34 modules** allow the student
to **learn all the basic concepts of
electronics and electricity**

N-M1. **Direct Current (DC)** Circuits Module.
N-M2. **Alternating Current (AC)** Circuits Module.
N-M16. **Electric Networks** Module.
N-M17. **Electromagnetism** Module.
N-M18. **Three-phase** Circuits Module.
N-M6. **Oscillators** Module.
N-M7. **Operational Amplifiers** Module.
N-M8. **Filters** Module.
N-M60. **Analog/Digital Converters** Module.
N-M61. **Digital/Analog Converters** Module.
N-M10. **Digital Systems and Converters** Module.
N-M11. **Digital Electronic Fundamentals** Module.
N-M12. **Basic Combinational** Circuits Module.

N-M13. Basic **Sequential** Circuits Module.
N-M3. **Semiconductors I** Module.
N-M4. **Semiconductors II** Module.
N-M14. **Optoelectronics** Module.
M44. Applications of **Light**.
M45. **Linear Position and Force**.
M46. **Environmental** Measurements.
M47. **Rotational Speed & Position Control**.
M48. **Sound** Measurements.
N-M49. Applications of **Temperature and Pressure** Module.
N-M9. **Power Electronics** Module.
N-M5. **Power Supplies** Module.

with
**EDIBON
SCADA**



CADDA
Computer Controlled **A/D and
D/A Converters** Unit

with
**EDIBON
SCADA**



TDS
Computer Controlled
Teaching Unit for the **Study
of Digital Signal Processing**

14.- BIOMEDICAL ENGINEERING

14.3. BIOMEDICAL EQUIPMENT

with
EDIBON
SCADA



BIADC
Computer Controlled **Biomedical Auditory and Diagnostic** Teaching Unit

with
EDIBON
SCADA

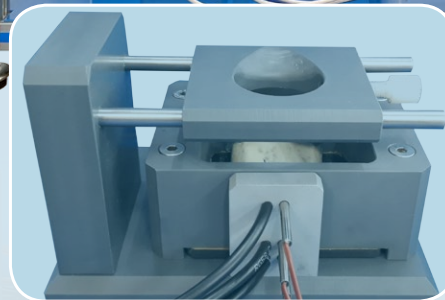


BIETC
Computer Controlled **Biomedical Electrotherapy** Teaching Unit



BICIR
Unit for **Study of Electrosurgery in Biomedicine**

BIUTEC
Computer Controlled **Biomedical Ultrasound Thermal Effects** Teaching Unit



with
EDIBON
SCADA

BICSC
Computer Controlled **Biomedical Circulatory System** Teaching Unit



COMPUTER CONTROLLED TECHNOLOGY

EDIBON SCADA System



Control Interface



Data Acquisition Board



Supervisory Software



with
EDIBON
SCADA



BISBC
Computer Controlled **Spirometry** Teaching Unit

