



GENERAL DESCRIPTION

The Precision Pressure Gauge Calibrator, "HCMP", is a self-contained and portable dead weight precision pressure gauge calibrator.

The unit allows the calibration of pressure gauges up to 300 bar. Calibration is accurate within $\pm 0.015\%$ of reading.

The pressure in the unit is produced by turning a jackscrew that reduces the fluid volume inside the calibrator, resulting in increased pressure. When the pressure generated by the reduced volume is slightly higher than that generated by the weights on the piston, the piston will rise until it reaches a point of equilibrium where the pressures at the gauge and at the bottom of the piston are exactly equal. Mineral oil is used as the hydraulic fluid.

The pressure developed is applied to the gauge that is to be calibrated.

A spirit level (or bubble level) and rotating foot studs are provided to enable the student to level the unit.

The unit is supplied with a set of weights, a set of adapters for the pressure gauges, spare seals and a bottle of oil.

A laboratory calibration certificate is supplied for each piston together with a traceable certificate of overall accuracy.



ISO 9001: Quality Management (for Design, Manufacturing, Commercialization and After-sales service)



European Union Certificate (total safety)



Certificates ISO 14001 and ECO-Management and Audit Scheme (environmental management)



"Worlddidac Quality Charter" and Platinum Member of Worlddidac

SPECIFICATIONS

This unit allows pressure gauges to be accurately calibrated up to 300 bar, with an accuracy of $\pm 0.015\%$.

Priming pump.

Spindle pump for pressure generation and fine adjustment.

Piston allows calibration over a wide range of pressures.

A spirit level (or bubble level) and rotating foot studs are provided to enable the student to level the unit.

Mineral oil is used as the hydraulic fluid.

A set of weights, a set of adapters for the pressure gauges, spare seals and a bottle of oil are supplied.

Laboratory calibration certificate.

Carrying cases for the unit and weights.

Pressure gauges (not included).

DIMENSIONS AND WEIGHTS

HCMP:

Unit:

-Dimensions: 500 x 350 x 400 mm approx. (19.68 x 13.77 x 15.74 inches approx.).

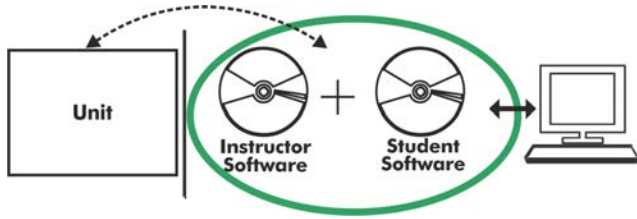
-Weight: 5 Kg approx. (11 pounds approx.).

Set of weights:

-Dimensions: 500 x 350 x 400 mm approx. (19.68 x 13.77 x 15.74 inches approx.).

-Weights: 45 Kg. approx. (99 pounds approx.).

HCMP/ICAI. Interactive Computer Aided Instruction Software System:



With no physical connection between unit and computer, this complete software package consists of an Instructor Software (EDIBON Classroom Manager -ECM-SOF) totally integrated with the Student Software (EDIBON Student Labsoft -ESL-SOF). Both are interconnected so that the teacher knows at any moment what is the theoretical and practical knowledge of the students.

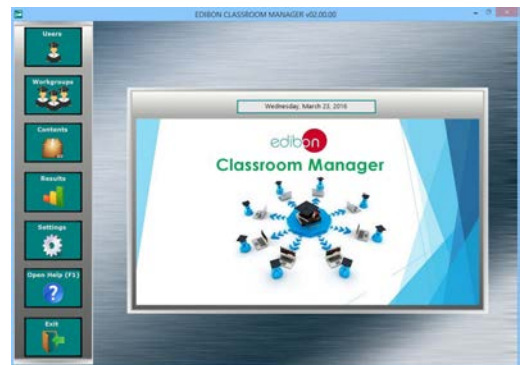
Instructor Software

- ECM-SOF. EDIBON Classroom Manager (Instructor Software).

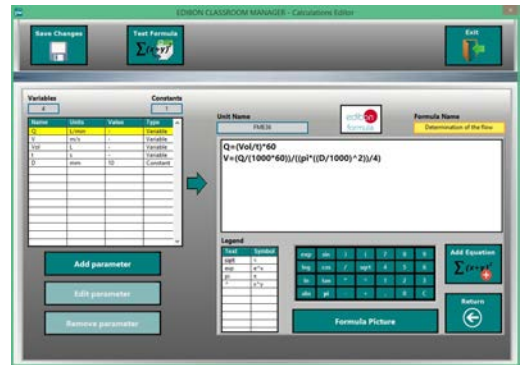
ECM-SOF is the application that allows the Instructor to register students, manage and assign tasks for workgroups, create own content to carry out Practical Exercises, choose one of the evaluation methods to check the Student knowledge and monitor the progression related to the planned tasks for individual students, workgroups, units, etc... so the teacher can know in real time the level of understanding of any student in the classroom.

Innovative features:

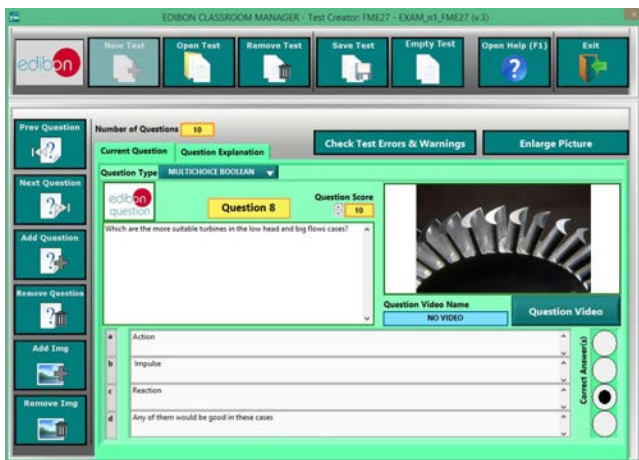
- User Data Base Management.
- Administration and assignment of Workgroup, Task and Training sessions.
- Creation and Integration of Practical Exercises and Multimedia Resources.
- Custom Design of Evaluation Methods.
- Creation and assignment of Formulas & Equations.
- Equation System Solver Engine.
- Updatable Contents.
- Report generation, User Progression Monitoring and Statistics.



ECM-SOF. EDIBON Classroom Manager (Instructor Software) Application Main Screen



ECAL. EDIBON Calculations Program Package - Formula Editor Screen



ETTE. EDIBON Training Test & Exam Program Package - Main Screen with Numeric Result Question



ERS. EDIBON Results & Statistics Program Package - Student Scores Histogram

Optional
Student Software

- ESL-SOF. EDIBON Student Labsoft (Student Software).

ESL-SOF is the application addressed to the Students that helps them to understand theoretical concepts by means of practical exercises and to prove their knowledge and progression by performing tests and calculations in addition to Multimedia Resources. Default planned tasks and an Open workgroup are provided by EDIBON to allow the students start working from the first session. Reports and statistics are available to know their progression at any time, as well as explanations for every exercise to reinforce the theoretically acquired technical knowledge.

Innovative features:

- Student Log-In & Self-Registration.
- Existing Tasks checking & Monitoring.
- Default contents & scheduled tasks available to be used from the first session.
- Practical Exercises accomplishment by following the Manual provided by EDIBON.
- Evaluation Methods to prove your knowledge and progression.
- Test self-correction.
- Calculations computing and plotting.
- Equation System Solver Engine.
- User Monitoring Learning & Printable Reports.
- Multimedia-Supported auxiliary resources.

For more information see ICAI catalogue. Click on the following link:

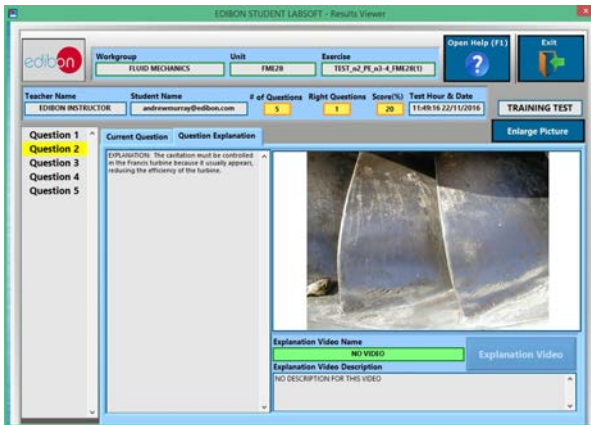
www.edibon.com/en/files/expansion/ICAI/catalog



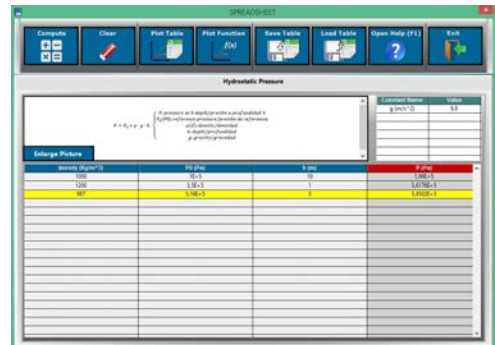
ESL-SOF. EDIBON Student LabSoft (Student Software)
Application Main Screen



EPE. EDIBON Practical Exercise Program Package Main Screen



ERS. EDIBON Results & Statistics Program Package - Question Explanation



ECAL. EDIBON Calculations Program Package Main Screen

* Specifications subject to change without previous notice, due to the convenience of improvement of the product.



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Edition: ED01/18
Date: June/2018

REPRESENTATIVE:

