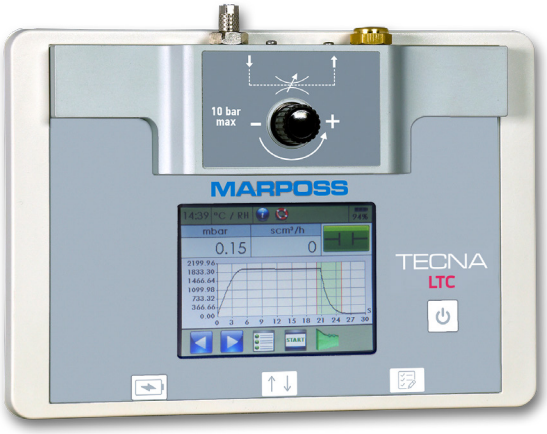
LTC Leak Tester Control

PRESSURE CALIBRATOR AND LEAK SIMULATOR



- Full scale pressure up to 40 bar
- Full scale vacuum: -900 mbar
- Resolution: 1 Pa (0.01 mbar)
- Full scale flow: from 50 cm³/min to 950 cm³/min
- Resolution: up to 0.02 cm³/min
- 6 selectable pressure scales
- 3.5” colour TFT LCD display
- Digital thermometer
- Relative humidity sensor
- Digital chronometer

DESCRIPTION

The instruments of the LTC Leak Tester Control line are designed to control the efficiency of the equipment used for leak testing.
They can also be used as pressure calibrators to verify and certify the equipment’s pressure measurements.
Moreover, they can periodically be used as leak simulators to check whether the testing equipment can recognize and REJECT a leak with a given value in cm3/min or cm3/h on the tested products.
Through the LTC instruments, the user can document and certify the performances of their testing equipment according to ISO9001.
LTC instruments help the user to choose more easily which testing parameters have to be programmed on the testing instruments.

TEST

OPERATING PRINCIPLE

The LTC instrument is connected in derivation between the testing equipmewwnt and the object being tested with the provided quick-coupling Staubli® “T” fitting.
The operator can adjust the leak flow through a manual needle valve or enable/disable the simulated leak by simply pressing a button on the LCD display.
The internal pressure sensor measures the line pressure, the flow sensor measures the actual value of the leak adjusted through the needle valve.
The LTC instrument shows both the test pressure and the leak flow on the display.
By simulating a specified leak, the operator can check the testing equipment’s efficiency and the correct programming of test parameters.
By running a testing cycle with the inserted leak, the operator can check whether the equipment is actually able to detect and REJECT the component being tested with the specified leak.

LTC

REV 04/23

SPECIFICATIONS	
Rechargeable battery	Lithium ions, 3.7 V, 1100 mAh
External power supply	Standard: universal adaptor with USB output, 5 Vdc, 1 A, USB cable
Leak regulation	Manual needle valve and insertion solenoid valve for the simulated leak
Inner volume	2 cm^3 max, and connecting pipes
Digital thermometer	Resolution: 0.1 °C; precision +/- 2 °C
Relative humidity sensor	Resolution: 0.1% RH; precision +/- 5% RH
Keyboard	Resistive touchscreen, on/off button
Display	3.5" colour TFT LCD display with touchscreen
Data interfaces	USB Host: data collection and storage (option)
Staubli® connector	Staubli® RBE03 coupling for the connection to the test instrument.
"T" fitting	"T" fitting for Ø 6x4 mm piping; central Staubli® RBE03 socket with check valve
Housing	ABS, aluminum anodized
Transportation	Carrying case with standard accessories

CALIBRATION SERVICE

Calibration service. Each equipment is accompanied by a calibration report released by Tecna srl.
According to the requirements of ISO9001 standard, calibration must be verified at specified intervals against national or international test samples.
Tecna and Marposs, through specialized personnel and certified instruments, offer a complete scheduled calibration service.

STANDARD ACCESSORIES

- Universal power supply with USB output, 5 Vdc, 1 A
- USB cable with one USB type A connector and one Micro-USB connector
- USB storage with programs to update the application software
- Carrying case
- Staubli® RBE03 coupling
- “T” fitting with Staubli® RBE03 socket

DIMENSIONS