

Traqc-8 High Pressure Calibrator

- ✓ **Built-in rechargeable high pressure gas volume**
- ✓ **Barometric reference sensor**
- ✓ **High accuracy, $\pm 0.02\%$ F.S.**
- ✓ **SS 316 high pressure tubing and fittings**
- ✓ **Over pressure protection**
- ✓ **Separate analogue monitor gauges for charge, regulated and test pressures.**
- ✓ **Battery with integrated charger**



The digital pneumatic portable calibrator Traqc-8 is designed for the supply and measurement of high pneumatic pressures. The Traqc-8 can be used for calibrating and testing high pressure transmitters, pressure switches, safety valves, etc. The built-in high pressure gas bottle and battery make it possible to use this test unit at all locations, independent of any external pressure source or mains supply.

Operation

Once the instrument to be tested/ calibrated is connected to the test connection, the maximum test pressure can be set by means of the high precision pressure regulator. The set pressure can be read on the monitor gauge. Two needle valves are used for fine adjustment of the pressure. The test pressure is indicated on the digital display. The electrical output signal from a transmitter can be read simultaneously on this display. A third monitor gauge, connected in parallel to the digital gauge, is used as a "help" for quick adjustment of the test pressure.

Tradinco Instruments distributes, designs, manufactures and repairs calibration, sensing equipment and instruments for various industries.

Our core values are quality, service and keeping our knowledge up to date with the latest technical innovations.

Technical Specifications

Accuracy	: ± 0.02% F.S.
Operating temperature	: between 5 and 45°C. All stated accuracies include linearity, hysteresis and repeatability.
Monitor gauges	: 3 Analogue 63mm monitor gauges in the front panel ,indicating the: * Bottle pressure: 0-200 bar * Regulated pressure; see ranges * Test pressure; see ranges
Integrated Gas Volume	: 2 liter capacity, maximum working pressure 200 bar, complete with overpressure relief valve
Regulator	: Range: in accordance with the range of the digital pressure gauge, max. pressure 350 barg
Sensor Range	: Ranges: 16, 20, 40, 60 , 100, 160 and 250 barg (others on request)
Needle valves	: Fine control valves with soft seat and tight shut-off.
Connections	: 2 Test connections plus 1 filling connection: Minimes 1215, quick connect couplings
Connection piece	: For connection of the filling hose to a nitrogen/ air bottle, standard RU-3
Test hose	: Minimes 1215 , length 1.5 meters 1/4" NPT male coupling
Filling hose	: Minimes 1215, length 1.5 meters
Overpressure protection	: Pressure limiting valve
Tubing and fittings	: Material: SS316
Power/operation	: 100-240VAC, 1 phase 50/60 Hz Battery (with integrated charger) and mains powered. Operating time on battery approximately 16 hours intermittent use
Housing	: Aluminium case with detachable lid
Dimensions and weight	: 405 x 295 x 255 mm (l x w x h), approx. 15 kg
Display	: 2-colour LCD, 70 x 70 mm, 128 x 128 pixels, with backlight
Resolution	: 4, 5 or 6 digits
Interface	: Optional RS232 or Ethernet Interface with or without memory
Menu language	: NL, GB, FR, D
Electric	: 4mm 250 Ohm resistance for HART® transmitters
DC measurement	: 0 – 30 V, 0.02% R+ 0.01 FS, 0 – 24 mA, 0.02% R+ 0.01 FS.
DC generation, Option	: 0 – 11 V, 0.02% R+ 0.01 FS, 0 – 24 mA, 0.025% R+ 0.01 FS.
Transmitter supply	: 21V
Certification	: CE-certified, calibration certificates.
Standard scope of supply	: Traqc-8, Minimes 1215 test hose length 1.5 meters, Minimes 1215, filling hose length 1.5 meters, 2 electrical test leads, manual and calibration certificates for pressure and electric signals.
Options / Accessories	: Second Pressure range. Barometric reference sensor, 850 to 1150 mbara, 0.02%. Integrated volume regulator for very precise setting of output pressure. RS232 interface and cable (2m), Ethernet interface and cable (2m). High pressure connection set 10 – 400 barg, accredited. (RvA) calibration certificate for pressure range and electrical signals, traceable to international standards. Switch test (powerless or with adapter powered, up to 230VAC switches). Loop calibration functionality. AutoCal® calibration management software. Data storage.

For other related instruments in the Traqc-family, we refer to the datasheets: Traqc-3, Traqc-7 P, Traqc-7 PC, Traqc-9 MAVS, Traqc-9, Traqc-9 C series Traqc-20 series.