

8185 HIGH PRESSURE ANALOGUE CALIBRATOR

- High accuracy, $\pm 0.5\%$ F.S. (0.25% F.S. option)
- Simple, efficient operation
- Protected against excess pressures
- Built-in refillable high pressure bottle
- Low consumption of air or nitrogen
- Separate analogue monitor gauges for bottle and regulated pressure
- SS 316 high pressure tubing and fittings
- RvA calibration certificate



The analogue pneumatic portable calibrator Model 8185 is designed for the supply and measurement of high pneumatic pressures. Model 8185 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

The built-in high pressure gas bottle is filled through the appropriate connection. Separate monitor gauges are mounted to indicate bottle pressure and regulated pressure. With the high pressure regulator the maximum test-pressure is set. The test-pressure at the two test connections is precisely controlled by two fine metering needle valves.

The precision test-gauge displays the test-pressure. Externally generated pressures can also be measured via the test-connections. For low pressure applications, e.g. below 10 bar, a second pressure gauge can be mounted on one of the test-connections. This extra gauge with pressure limiting valve and quick-connector can be stored in the lid of the Model 8185.

The instrument is supplied with test hose and test connection 1/4" NPT, filling hose, refill connection and a RvA calibration certificate.

TECHNICAL SPECIFICATIONS

Ordering Code	Range
8185 - 10	0 - 10 bar
8185 - 16	0 - 16 bar
8185 - 25	0 - 25 bar
8185 - 40	0 - 40 bar
8185 - 60	0 - 60 bar
8185 - 100	0 - 100 bar
8185 - 160	0 - 160 bar
8185 - 250	0 - 250 bar



Optional	Description/Range
8186 - 10	0 - 10 bar extra test gauge with pressure limiting valve
8186 - 16	0 - 16 bar extra test gauge with pressure limiting valve
8186 - 25	0 - 25 bar extra test gauge with pressure limiting valve
8186 - 40	0 - 40 bar extra test gauge with pressure limiting valve
8186 - 60	0 - 60 bar extra test gauge with pressure limiting valve
8186 - 100	0 - 100 bar extra test gauge with pressure limiting valve
8186 - 160	0 - 160 bar extra test gauge with pressure limiting valve
8186 - 250	0 - 250 bar extra test gauge with pressure limiting valve
8187	Bracket for extra test gauge mounted in lid

Accuracy

± 0.5% F.S.

± 0.25% F.S. available on request

Pressure gauge

Analogue, dial size 160 mm, protected against excess pressures

Monitor gauges

Supply Pressure: 0-250 bar, dial size 63 mm

Regulated pressure: see ranges

Gas bottle

2 litre capacity, maximum working pressure 200 bar

Regulator

Model 8810 High Pressure Precision Regulator

Range; in accordance with pressure gauge ranges

Needle valves

Fine control valve with soft seat and tight shut-off.

Connections

Minimes 1215, quick connect couplings with internal shut off valve

Test hose

Minimes 1215, length 1.5 metres

1/4" NPT male coupling

Filling hose

Minimes 1215, length 1.5 metres

Refill connection

For connection to nitrogen bottle, standard RU-3

Housing

Aluminium case with detachable lid

Dimensions

405 x 295 x 255 mm (l x b x h)

Weight

Approx. 14 kg

Certification

RvA (Dutch Accreditation Council) calibration certificate issued by the Tradinco Calibration Laboratory. Traceable to the international standards

Standard supply includes

- Test-hose and test-connection 1/4" NPT
- Filling hose
- Refill connection
- RvA certificate

SPECIAL DESIGNS ON REQUEST



Distributor:
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