**HIGH ACCURACY READINGS
RANGES UP TO 10 000 KPA
EASY TO USE**

The PR-20 and PR-20D are pneumatic pressure indicators designed to read pneumatic piezometers

Description

The PR-20 portable readouts are mounted in a strong watertight case that contains all the circuitry for reading the transducers, and for refilling the self-contained nitrogen-gas cylinder.

The circuitry consists of the following:

A nitrogen-gas filled cylinder with a maximum pressure of 14 000 kPa. The cylinder pressure is indicated by a pressure gauge

A pressure regulator, with the maximum regulated pressure adjusted in the factory to equal the upper limit of the main readout pressure gauge

An automatic constant low-flow control valve that gives precise and highly repeatable results (available only below the 0–1000 kPa measurement range)

Either a 105 mm diameter test gauge (model PR-20) featuring an anti-parallax mirror, or a high-precision digital test gauge (model PR-20D)

A high-flow circuit, for the quick filling of the transducer tubing leads

Key Features

- Ranges up to 10 000 kPa
- Automatic flow control valve
- Easy to use
- High accuracy readings
- Portable

Applications

- The PR-20 is a pneumatic pressure indicators designed to read pneumatic piezometers
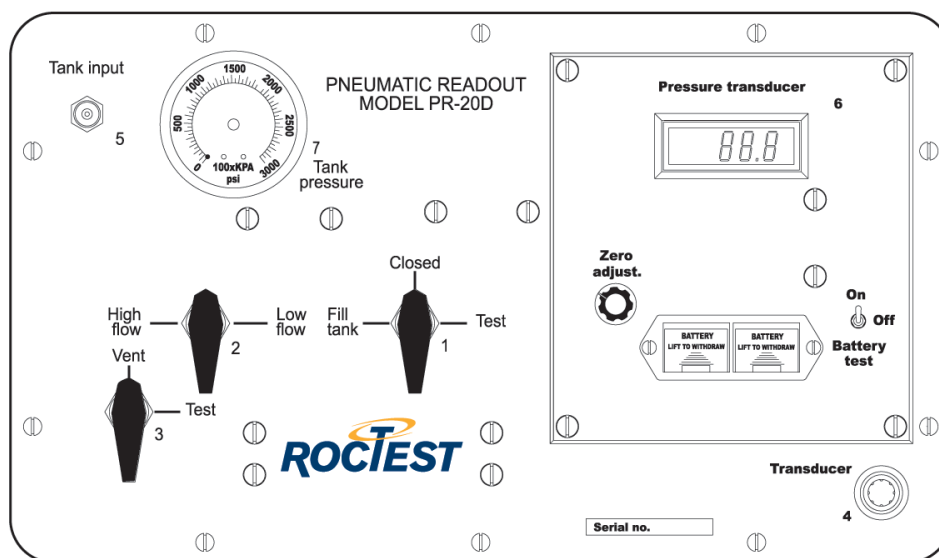
Specifications

MODEL	PR-20	PR-20D
Range	From 200 to 10 000 kPa	From 200 to 10 000 kPa
Accuracy	±0.25% F.S.	±0.05% to ±0.25% F.S.
Resolution	Gauge-dependent	Gauge-dependent
Maximum pressure	1 × F.S.	1.5 × F.S.
Operating temperature	−20 to +60°C	Gauge-dependent
Dimensions	45 × 30 × 18 cm	45 × 30 × 18 cm
Weight	9 kg	9 kg

Readings and Interpretation

The same circuitry is used in both readout units. The only difference is in the test gauge: the PR-20 has a dial gauge while the PR-20D has a digital gauge.

Readings are taken once the transducer tubings are filled with gas and the pressure has stabilized.

PR-20D Control Panel

Ordering Information

Please specify:
- Model
- Range