



C108 Pneumatic Readout



C108 Pneumatic Readout shown with compatible pneumatic instruments (shown from left to right): Pneumatic Wellpoint Piezometer, Total Earth Pressure Cell, P-100 Mini Piezometer, P-100-1 Piezometer

The C108 Digital Pneumatic Readout is the ideal solution for monitoring all pneumatic transducers, including Total Earth Pressure Cells.

The C108 stores up to 170 instrument locations per route, each with a convenient text label and up to 20 time/date stamped data points. User-specified location names and previous data greatly assist the operator in data collection and analysis. Data is transferred to a host computer via RS232 and the file format is compatible with Excel® and other spreadsheets.

A sealed weatherproof case and electronic components allows for the most accurate recordings in even the harshest of conditions.

Pneumatics are especially suited for projects where manual readings are required and are excellent for projects where a lightning immune backup to electrical sensors is needed.

Pneumatic sensors also have extreme overpressure endurance which makes them highly suited to driven pile tip load cell and explosive compaction piezometer applications.

The C108 Digital Pneumatic Readout ships with C108 Host Software for Windows®.



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applications

Monitor all pneumatic transducers including Total Earth Pressure Cells.

Bubbler readout for monitoring standpipe piezometers.

features

The automatic flow controller insures accurate, repeatable readings, independent of pressure or tubing length, eliminating operator error.

The internal pressure cylinder is refilled in place. No additional regulator is required to fill the internal cylinder. The necessary filler hose is supplied.

Low operating flow of 35 cc/min. insures most economical use of gas.

Relief valves protect sensitive parts from over-pressurization.

Pressure ranges to 2000 psi (14,000 kPa) available.

3 tube version available.

Simple one switch operation and Auto Off.

User selectable scales: psi / kPa / ft. H₂O / m. H₂O / mm H₂O / in. H₂O

Stores 170 instrument locations, each with text label and up to 20 data points.

Ability to transfer data to host computer via RS232.

Interfaces via .CSV files to Excel®.

Track and compare old data/readings against current readings.

Sealed weatherproof case and electronics.

Long life lithium battery.



specifications + ordering info

C108 Pneumatic Readout



specifications

DESCRIPTION	SPECIFICATION
Display	20 x 2 LCD x 0.5" (12.7 mm) high with backlight
Accuracy	±0.1% F.S.
Scale Ranges	1400 kPa / 0-200 psi
Resolution	1 kPa/ 0.1 psi
Operating Temperature	-20 to 50°C (-4 to 122°F)
Memory	128 kB
Storage Locations	170
Storage Per Location	20 points
Site Identification String	Up to 20 characters
Battery	Internal lithium cell
Dimensions	18.5 x 30 x 45 cm (7.25 x 11.5 x 17.5 in.)
Weight	8 kg. (17.6 lbs.)
Cylinder	1.0 litre (2000 psi)
Automatic Flow Controller	Standard

ordering info

ITEM	PART #
C108 Pneumatic Readout	PP108200



GEOTECHNICAL . MINING . ENVIRONMENTAL . STRUCTURAL