Pneumatic readout unit

Description

ACE-2500 pneumatic readout is easily connected through one touch coupler of pneumatic sensor.
The nitrogen gas pressure acting on the sensor can be measured up to maximum of 20 bar.
ACE-2500 pneumatic readout consists of output device and pressure sensors to measure the gas pressure and nitrogen gas tank inside of the shock resistance water-proofing case.

Features

- Waterproof, damp-proof, shock resistance and portable construction
- Digital pressure gauge automatically off function (10 minutes)
- Analog gauge nitrogen tank rechargeable pressured displaying (maximum 25MPa)
- High limit of resolution and high accuracy

Notice

First delivery of goods does not contain the nitrogen gas in the nitrogen gas tank.
The nitrogen gas (UNF 7/16" thread) has to recharge the nitrogen gas through tank Input connector of console.
Please check the gas is full before you go out.

Applying sensor

- Pneumatic piezometer
- Pneumatic earth pressure cell
- Pneumatic settlement cell

Functions

- [On], [Off]
  Turn the unit on/off
- [Zero]
  Using when setting zero

Using method

- Turn on the output device ; push the zero buttons to set zero.
- After connect the pneumatic sensors to one-touch coupler, open gas valve and bypass valve.
- After few minutes when the pressure stable, close the bypass valve and wait for few seconds, then record the stabling pressure levels displayed on digital LCD.
- After using, close the gas valve and detach the sensor from end of edge.

Specification

Model	ACE-2500
Applied sensor	Pneumatic sensor
Measurement range	0~20bar (290 psi)
Resolution	Gage-dependent
Accuracy	±0.1% FSR (0.02bar)
Operating temperature	0~50℃
Operating humidity	Less than 80% R.H
Display	15㎜, 4 digit LCD
Power	9VDC / alkaline battery
Internal tank	Ø80×320L (1.0 liter)
	Nitrogen gas 3ppm H_2O
Battery life	50 hours continuous
Dimensions	185×300×450㎜
Weight	10kg
Material of case	ABS plastic case
Accessories	Tube kit for sensor extension

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