

Technical specifications

BAT Sensor Basic



BAT Sensor Basic #1-204 - relative pressure sensor

General

The BAT Sensor Basic in combination with the BAT MkIII Filter Tip measures accurately the pore pressure in the soil. The cable is equipped with an integral vent tube to the atmosphere which means that the sensor measures the relative pore pressure.

Together with the handheld Pressure Indicator (see below), art.no. #1-304, the actual pore pressure is readily measured.

Specifications

Output range:	4 - 20 mA
Pressure range:	-0.1 to 1 MPa(relative)
Burst pressure:	2 MPa
Linearity error:	≤ 0.15 % FS
Operating temperature:	-20°C to + 80°C

Dimensions etc.

Protection:	IP 68
Material:	Stainless steel 316L
Weight	200 grams
Dimensions:	Ø 22mm, length 150 mm
Weight set:	960 grams
Standard cable length	20 m

* In the picture the sensor is shown with the BAT quick coupling adapter used for leak-proof connection to the BAT MkIII Filter Tip.

EV-120 Pressure Indicator #1-304

General

The EV-120 Pressure Indicator is designed for use in conjunction with the BAT Sensor Basic. Together, these two instruments build a highly precise pressure measuring device. The display shows after turn-on the full-scale pressure range of the sensor and then the actual pressure reading. The display shows updated readings two times every second.

Specifications

Selectable pressure readings:	bar/ mbar-hPa / Pa / kPa / MPa / PSI /
Measuring cycle:	2 measurements per second
Electrical supply:	9V Block battery
Battery lifespan:	> 16 hrs
Diameterxheightxdepth:	76x122x42 mm
Total weight:	230 g
Protection:	IP 40

