

Conductivity cell type M9836S-C1



Technical description

The conductivity cell M9836S, with graphite electrodes, is used for water, waste water and ultra pure water measurements in batch and continuous applications. They are used e.g. in chromatography, water purification fermentation and general chemical processes. The use of graphite electrodes minimizes potential polarization problems in highly polarizing medias and conductivity environments. The accuracy is 2% in the temperature range of 0...100°C.

The cell constant K is 1.0 for the measuring range of 1µS...10mS.

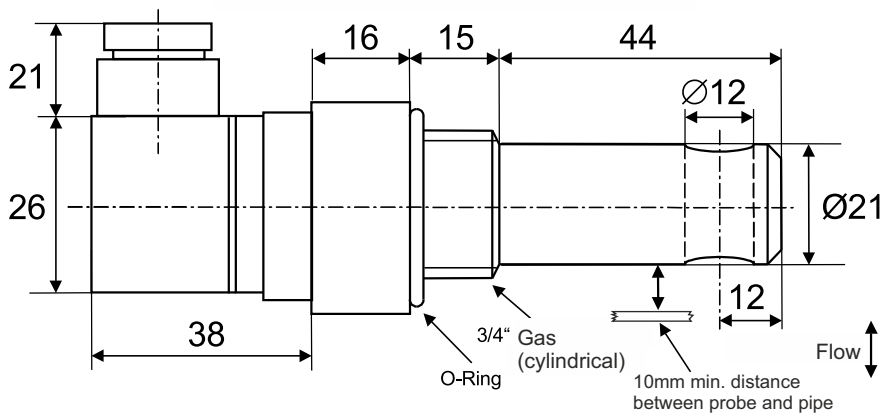
A build in Pt-100 (RTD) temperature sensor enables automatic temperature compensation.

The insulating parts are made in polypropylene and leak proofing is guaranteed by chemically resistant O-rings seals. The connection to the shielded 4-wire cable is made by a leak proof plug.

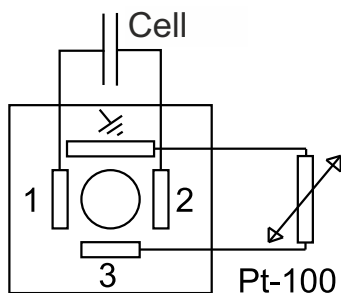
Technical data

Range:	1 μ S...10mS
Cell constant:	K=1.0
Accuracy:	$\pm 2\%$
Temperature range:	0...+100°C, not freezing
Internal temperature sensor:	Pt-100, 2-wire
Time constant temperature sensor:	90 sec
Electrode holder:	Polypropylene
Electrode body:	graphite
Thread:	3/4" cylindrical gas, with O-ring
Wrench dimension:	36mm
Max. pressure:	10 bar
Probe diameter:	21mm
Probe depth:	44mm
Connector:	DIN 40 050, IP67, cable connector included
Max. cable outside diameter:	7.5mm, use shielded cable only
Options:	other temperature sensors

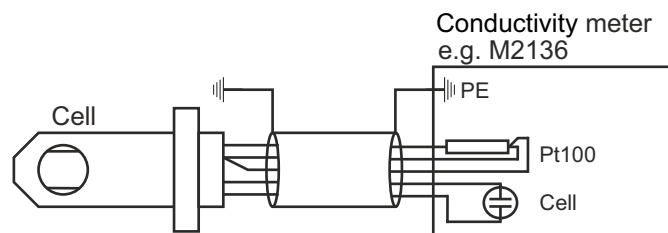
Cell dimensions:



Wireing:



Cell connecting diagram:



M9836S-C1/ V1.08

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