

Soil Temperature Sensor economy



Description

Economical sensor for the measurement of the temperature of the soil or in liquids.

A semiconductor sensor converts the measured temperature into a current linearly dependent on the absolute temperature.

The sensor is protected by a stainless steel cap welded to the cable for a water-tight seal.

Technical Data

Sensor

Sensing element.....	Semiconductor
Transducer.....	Electronical transducer with current output
Output signal	-30..+100°C = 0.24..0.37 mA (= 1 µA/K)
Accuracy.....	± 1°C

Power Supply

Supply voltage	4..24 VDC
Current consumption	< 1 mA

Electrical Connection

Cable.....	2 x 0.25 mm ²
Cable length.....	1.5 m
Terminals.....	Open wires

Wiring

brown	(+) power supply
white.....	(-) output signal

Environmental Conditions

Operating temperature	-30..+70°C
Relative humidity	0..100 %



**Hirschgraben 24
D-22089 Hamburg • Germany
phone: +49(0)40-75 66 08 98
fax: +49(0)40-75 66 08 99
eMail: info@wilmers.com
www.wilmers.com**