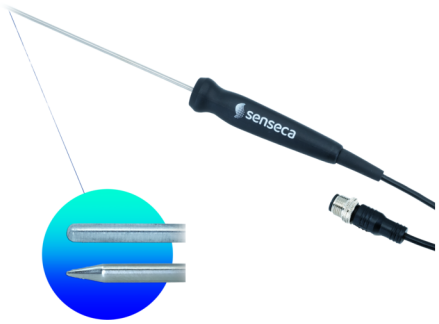
Economical digital temperature probe for DX PRO-Line handheld meters

DX 12X



Introduction

Temperature checks in water analysis and field service need a probe that is quick to connect and dependable in daily handling. This digital Pt1000 probe is made for PRO-Line handheld meters with digital input, including PRO D01, PRO D05-x, PRO 925 and PRO 595.

Factory calibration helps you start measuring without extra setup, while stored calibration data allow the probe to be exchanged without recalibration. For controlled workflows, ISO 9001 factory calibration or DIN EN ISO/IEC 17025 DAkkS/ACCREDIA calibration certificates are available as options.

The -50 ... +250 °C measuring range covers demanding portable tasks, with 0.1 °C resolution and ±0.2 °C accuracy from 0 °C to 100 °C. A Ø3 mm AISI 316 stainless steel probe tube gives fast response in water, with T90 < 2 s at 0.4 m/s, while the ergonomic IP67-protected handle supports professional use in the field.

Ready to use

Factory-calibrated probe stores calibration data for interchangeability without recalibration.

Fast water response

T90 is < 2 s in water at 0.4 m/s with the Ø3 mm Pt1000 probe tube.

Wide temperature span

Measures -50 ... +250 °C with 0.1 °C resolution for portable temperature checks.

Protected in the field

IP67 protection and AISI 316 stainless steel probe tube support professional use.

DX handheld link

M12 DX-sensor interface connects to PRO D01, PRO D05-x, PRO 925 and PRO 595.

View product on our website

www.senseca.com/en/product/dx-121-economical-digital-temperature-probe-for-dx-pro-line-handheld-meters

Technical Specifications

Measurement

Measuring principle	RTD
Temperature sensor	Pt1000
Temperature range	-50...+250 °C
Accuracy temperature	±0.2 °C
Resolution temperature	0.1 °C

Ambient Condition

Storage temperature	-20...+80 °C
Operating temperature	-20...+80 °C
Degree of protection case	IP67

Power Supply

Power consumption	< 1 mA, typ.
Power supply	3.3...3.3 Vdc

Probe

Cable	PVC
Connection	DX M12, 4-pole M12
Probe Diameter	3 mm
Handle	130 mm, Polyamide (PA6-GF30)
Material	AISI 316 stainless steel
Type	insertion probe, immersion probe

Compatible Products & Software

Hardware

Ordercode	Description	Article No.
PROD01	**PRO D01: Without datalogger, 1 channel** - Handheld multifunction meters for portable measurement with DX digital probes. Cover temperature, pressure, humidity, IAQ, photo-radiometric quantities and soil moisture, with 1, 2 or 3 M12 inputs and USB-C connection.	486134
PROD05.2	**PRO D05.2: With datalogger, 2 channels** - Handheld multifunction meters for portable measurement with DX digital probes. Cover temperature, pressure, humidity, IAQ, photo-radiometric quantities and soil moisture, with 1, 2 or 3 M12 inputs and USB-C connection.	486136
PROD05.3	**PRO D05.3: With datalogger, 3 channels** - Handheld multifunction meters for portable measurement with DX digital probes. Cover temperature, pressure, humidity, IAQ, photo-radiometric quantities and soil moisture, with 1, 2 or 3 M12 inputs and USB-C connection.	486137
PRO921	**PRO 921: Without datalogger** - Portable multiparameter meter for temperature and HVAC checks with 2 Type K inputs from -220.0...+1372.0 °C, DX digital probe input, backlit display, IP 67 housing and data logging on PRO 925.	488743
PRO925	**PRO 925: With datalogger** - Portable multiparameter meter for temperature and HVAC checks with 2 Type K inputs from -220.0...+1372.0 °C, DX digital probe input, backlit display, IP 67 housing and data logging on PRO 925.	488744

Features

Probe variants

The family includes DX 121-D3 immersion probes and DX 121-I3 insertion probes, each with a Ø3 x 150 mm probe tube.

Pt1000 sensing element

A Pt1000 thin-film element records temperature and transfers the value through the digital DX interface.

User adjustment

The PRO-Line device menu supports two-point user correction with lower and upper adjustment points and factory reset.

Cable connection

The probe is supplied with a PVC cable in 1 m, 2 m or 5 m lengths and a 4-pin M12 connector (DX).

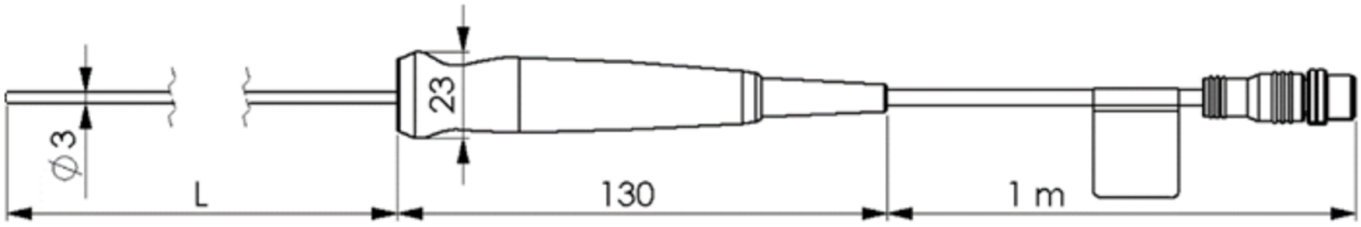
Calibration certificates

Options include ISO 9001 factory calibration or DIN EN ISO/IEC 17025 DAkkS/ACCREDIA calibration certificates.

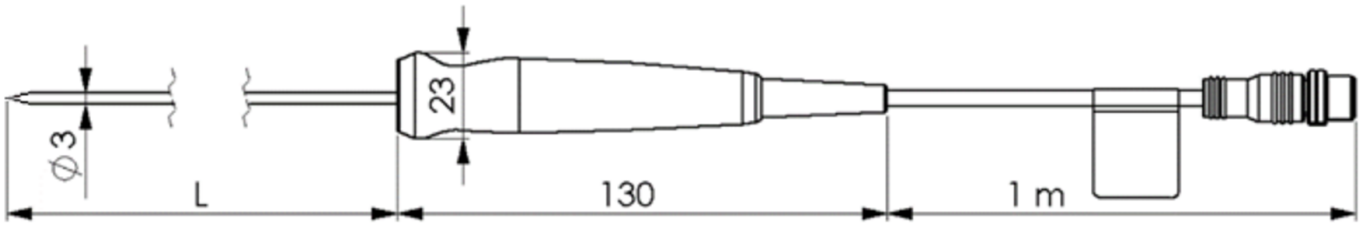
Device configuration

Connected PRO-Line meters show probe info, units, alarm thresholds, hysteresis and calibration type in the DX port menu.

Details



DX 121-D3 dimensions



DX 121-I3 dimensions