

## DX 210 / DX 240

### Digital pressure probes with tube port



- Interchangeable
- Low power
- Flexible hose connector
- Compact and rigid stainless steel body
- Fast and accurate
- Temperature compensated
- Optional DAkks/ACCREDIA certification available

#### DESCRIPTION

DX 210 and DX 240 are series of miniature digital absolute and differential pressure probes for the PRO D01 / PRO D05 handheld meters.

Different ranges available:

- DX 210-2.5hPa:  $\pm 2.5$  hPa differential
- DX 210-20hPa:  $\pm 20$  hPa differential
- DX 210-500hPa:  $\pm 500$  hPa differential
- DX 210-200kPa:  $\pm 200$  kPa differential
- DX 210-700kPa:  $\pm 700$  kPa differential
- DX 240-200kPa: 0...200 kPa absolute

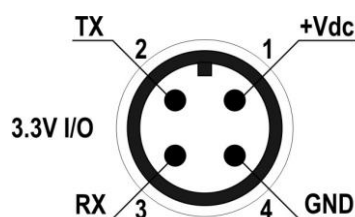
The measurement is temperature compensated for enhanced accuracy.

The probes are supplied factory-calibrated, and they are ready to use.

They can be optionally supplied with a DAkks/ACCREDIA calibration certificate.

The calibration data are stored in the probe, allowing for interchangeability without the need for recalibration.

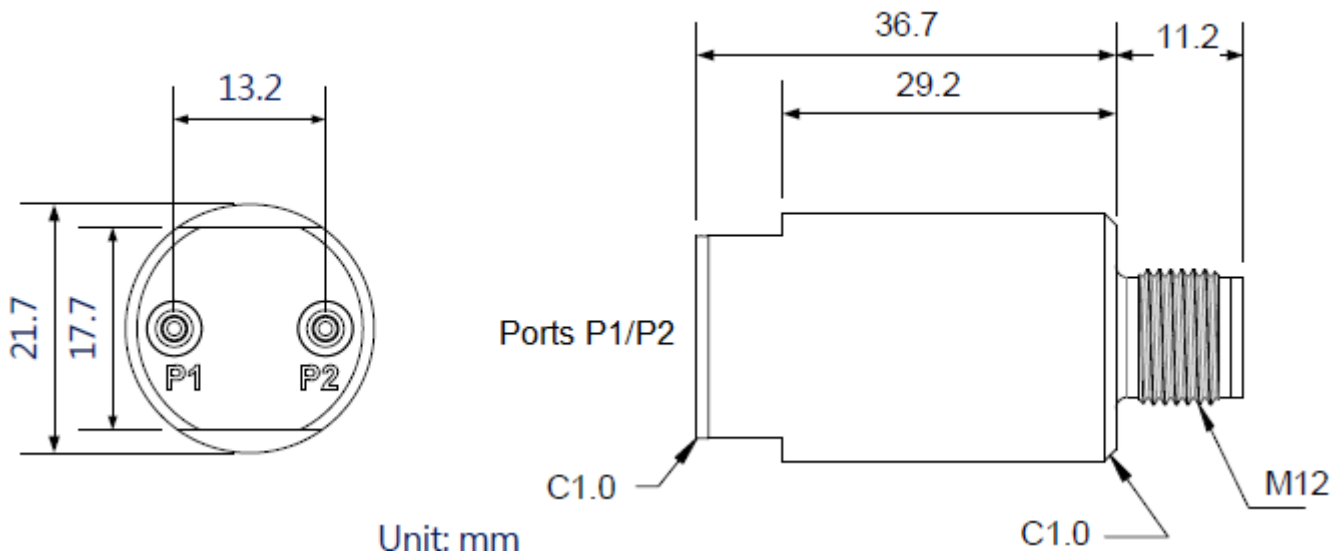
Equipped with 4-pin M12 connector "DX-Sensor standard", connectable to PRO-D0x multifunctional meters.



M12 DX 210/240 sensor pin out

## TECHNICAL SPECIFICATIONS

Sensor	MEMS
Measuring range	From $\pm 2.5$ hPa to $\pm 700$ kPa differential or 0...200 kPa absolute depending on model
Resolution	Depending on sensor model
Accuracy	$\pm 0.5$ %FS @ 25 °C
Overall error	$\pm 2.5$ %FS over the whole compensated temperature range
Warm-up time	2.3 ms
Long-term stability	< 1 %FS / year
Compensated temperature	0...+50 °C
Operating conditions	-25...+85 °C / 0...95% RH non-condensing
Storage temperature	-40...+125 °C
Overpressure	3 x FS
Burst pressure	6 x FS
Output	UART (TTL 3.3V)
Power supply	3.3...6 Vdc
Connection (to meter)	4-pole M12
Connection (to process)	For $\varnothing 6 \times 1$ mm (internal $\varnothing 4$ mm) and $\varnothing 8 \times 1$ mm (internal $\varnothing 6$ mm) hoses. 2 inputs for differential probes, 1 input for absolute probes
Dimensions	$\varnothing 21.7 \times 62$ mm
Weight	74 g approx.
Material	Stainless steel
Protection degree	IP65
Applications	Only air and non-aggressive dry gases



## Ordering codes

<b>DX 210-2.5hPa-00-L1-00</b>	Digital differential pressure probe. Measuring range: $\pm 2.5$ hPa. Incl. 1 m M12 connection cable.	<b>Art.No. 486674</b>
<b>DX 210-20hPa-00-L1-00</b>	Digital differential pressure probe. Measuring range: $\pm 20$ hPa. Incl. 1 m M12 connection cable.	<b>Art.No. 486675</b>
<b>DX 210-500hPa-00-L1-00</b>	Digital differential pressure probe. Measuring range: $\pm 500$ hPa. Incl. 1 m M12 connection cable.	<b>Art.No. 486676</b>
<b>DX 210-200kPa-00-L1-00</b>	Digital differential pressure probe. Measuring range: $\pm 200$ kPa. Incl. 1 m M12 connection cable.	<b>Art.No. 486677</b>
<b>DX 210-700kPa-00-L1-00</b>	Digital differential pressure probe. Measuring range: $\pm 700$ kPa. Incl. 1 m M12 connection cable.	<b>Art.No. 486678</b>
<b>DX 240-200kPa-00-L1-00</b>	Digital absolute pressure probe. Measuring range: 0...200 kPa. Incl. 1 m M12 connection cable.	<b>Art.No. 486679</b>

## Suitable Instruments

<b>PRO D01</b>	1-channel handheld meter for digital probes. Supplied with 4 x AA alkaline batteries, USB cable and software downloadable from Senseca website.	<b>Art.No. 486134</b>
<b>PRO D05.2</b>	2-channel handheld data logger for digital probes. Supplied with 4 NiMH rechargeable batteries, USB cable and software downloadable from Senseca website.	<b>Art.No. 486136</b>
<b>PRO D05.3</b>	3-channel handheld data logger for digital probes. Supplied with 4 NiMH rechargeable batteries, USB cable and software downloadable from Senseca website.	<b>Art.No. 486137</b>