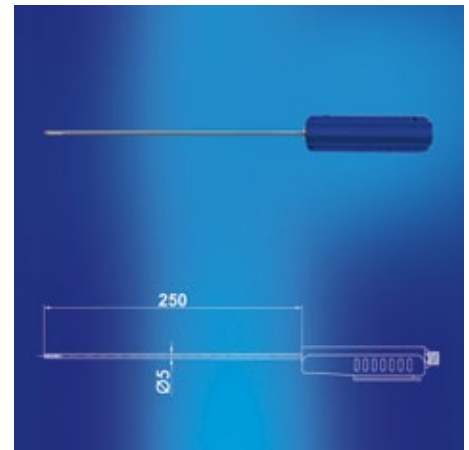


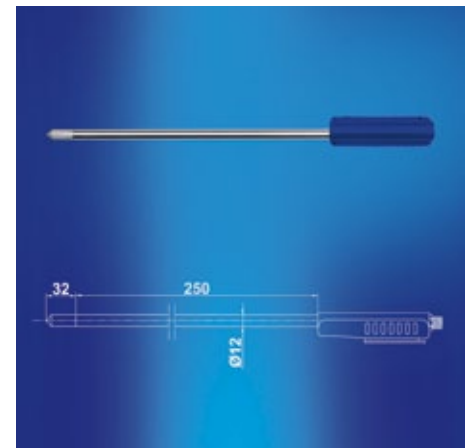
Temperature/Humidity Sensor



SDI Temperature-/Humidity Sensor with 5mm Diameter		Order No.
Compact, slim temperature-/humidity sensor in stainless steel protective tube. With a diameter of only 5mm, the sensor is suitable for applications in measurement areas that are difficult to access.		9130.520
Technical Data	Dimensions sensor tube	Length 250mm, Ø 5mm
	Dimensions housing	117 x 38 mm
	Weight	Approx. 85g
	Protection	Housing/sensor IP40 sensor head: screwable, stainless steel cap, PTFE filter
	Permitted operation temp.	0...50°C
	Permitted humidity	0...100% RH
	Storage temperature	-20...60°C
	Storage humidity	20...80% RH
	Relative Humidity	Measurement range
Accuracy		±2 % (0 ... 90 %), ±3 % (90 ... 100 %) RH
Resolution		0.1% RH
Principle		Capacitive
Temperature	Measurement range	-40 ... 100 °C
	Accuracy	±0.2°C at 20 °C otherwise ±0.7°C
	Resolution	0.1°C
	Principle	PT1000 (tolerance class B, DIN EN 60751)
Compatibility	XA1000, XP200	
Accessories	Extension and/or connecting cable for digital sensor, 2m	8120.KAB2
	Calibration salt 11,3% RH	5700.113
	Calibration salt 32,8% RH	5700.328
	Calibration salt 52,9% RH	5700.529
	Calibration salt 75,3% RH	5700.753
	Calibration salt 90,1% RH	5700.901
	Calibration adapter	5700.A06



SDI High Temperature-/Humidity Sensor		Order No.
Stainless steel sensor equipped with a Teflon probe is especially suitable for high temperature/humidity measurements.		9130.530
Technical Data	Dimensions sensor tube	Length 250mm, Ø 12mm
	Dimensions housing	117 x 38 mm
	Weight	Approx. 200g
	Protection	Housing/sensor IP40 sensor head: stainless steel sinter filter
	Permitted operation temp.	0...50°C
	Permitted humidity	0...100% RH
	Storage temperature	-20...60°C
	Storage humidity	20...80% RH
	Relative Humidity	Measurement range
Accuracy		±2 % (0 ... 90 %), ±3 % (90 ... 100 %) RH
Resolution		0.1% RH
Principle		Capacitive
Temperature	Measurement range	-40...180°C (grip of sensing probe up to 80°C)
	Accuracy	±0.2°C at 20 °C otherwise ±0.7°C
	Resolution	0.1°C
	Principle	PT1000 (tolerance class B, DIN EN 60751)
Compatibility	XA1000, XP200	
Accessories	Extension and/or connecting cable for digital sensor, 2m	8120.KAB2
	Calibration salt 11,3% RH	5700.113
	Calibration salt 32,8% RH	5700.328
	Calibration salt 52,9% RH	5700.529
	Calibration salt 75,3% RH	5700.753
	Calibration salt 90,1% RH	5700.901
	Calibration adapter	8120.ADAP



More Information Lufft X-Series
www.lufft-xseries.com