MY Series

PROFESSIONAL HANDHELD TEMPERATURE AND HUMIDITY PROBES FOR ANDROID DEVICES

100% Made & Designed in Italy



PIV - APP

Google play

SENECA

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HANDHELD MEASUREMENT SYSTEM



MY Series

PROFESSIONAL HANDHELD TEMPERATURE AND HUMIDITY PROBES FOR ANDROID DEVICES

MY Series includes hand-held transmitters that turn your Android mobile devices such as smartphones or tablets into data acquisition systems. Easily configurable via dedicated Android app, MY Series allows the display of temperature (RTD, TC) and humidity values in analog or digital format, enabling sharing of instant measurement via SMS, email and other common data platforms. MY Series is the suitable solution for professional, certified and industrial measurements in several application (machinery, environmental chambers, food storage and transport, laboratories, HVAC systems etc...) both for diagnostic purposes and environmental parameters monitoring.

PIV - APP

Google play

VISUALIZING SENSOR DATA ON YOUR SMARTPHONE OR TABLET

FREE APP AVAILABLE FOR ANDROID DEVICES WITH MICROUSB OTG

INSTANT MEASUREMENT RECORDING & SHARING VIA EMAIL, SMS, WHATSAPP, FACEBOOK, TWITTER ETC

MY SERIES PROBES IS AVAILABLE IN 3 VERSIONS: RTD, THERMOCOUPLE, HUMIDITY AND TEMPERATURE

VISUALIZING SENSOR DATA IN DIGITAL OR ANALOG FORMAT

PAIR WITH MULTIPLE TRANSMITTERS FROM THE SAME APP

QUICK SELECTION OF SCALES AND ENGINEERING UNITS

M12M CONNECTOR FOR RELIABLE AND ACCURATE COUPLING WITH MEASURING ELEMENT

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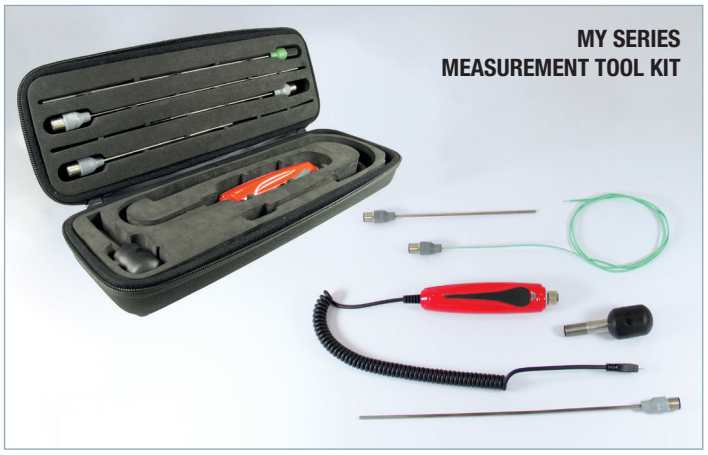
PT100 PROBES • MY-PT

	MY-PT-150-3	MY-PT-250-2	MY-PT-150-3R
			
	PT100 handheld probe, class B, d=3 mm, L= 150 mm, round tip, M12M connector	**PT100 handheld probe, class B, d=2 mm, L= 250 mm, round tip, M12M connector**	**PT100 handheld probe, class B, d=3 mm, L= 150 mm, sharpened tip, M12M connector**
GENERAL DATA			
Type of Measurement	Temperature	Temperature	Temperature
Power Supply	By USB port	By USB port	By USB port
Operating Temperature	-20..+50°C (handle)	-20..+50°C (handle)	-20..+50°C (handle)
Interface	Micro USB	Micro USB	Micro USB
Accuracy	Class B (sensor), conversion error (better than 1% measure / 0.5°C)	Class B (sensor), conversion error (better than 1% measure / 0.5°C)	Class B (sensor), conversion error (better than 1% measure / 0.5°C)
Measurement Range	-30..300°C	-30..300°C	-30..300°C
Response Time	15 s	15 s	15 s
Probe connector	M12	M12	M12
Configuration System	Android PIV APP by USB OTG Smartphone	Android PIV APP by USB OTG Smartphone	Android PIV APP by USB OTG Smartphone
Settings (by Android App)	Analog / Digital visualization Max / Min session recording Session reset Analog scale setting Engineering unit (K, °C, °F, °R) setting Instant measurement recording and sharing (su SMS, Email, Whatsapp)	Analog / Digital visualization Max / Min session recording Session reset Analog scale setting Engineering unit (K, °C, °F, °R) setting Instant measurement recording and sharing (su SMS, Email, Whatsapp)	Analog / Digital visualization Max / Min session recording Session reset Analog scale setting Engineering unit (K, °C, °F, °R) setting Instant measurement recording and sharing (su SMS, Email, Whatsapp)
Marking	CE	CE	CE
Norms	EN 61326, EN 61010-1	EN 61326, EN 61010-1	EN 61326, EN 61010-1
SENSOR			
Thermoelement	Pt100 ohm 0°C, accuarcy according to IEC 751	Pt100 ohm 0°C, accuarcy according to IEC 751	Pt100 ohm 0°C, accuarcy according to IEC 751
Isolation	100 MΩ at 100 Vdc	100 MWΩ at 100 Vdc	100 MΩ at 100 Vdc
Electrical connection	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)
Protection Degree	IP67	IP67	IP67
Material	With densely packed Magnesium Oxide (MgO) insulated cable, stainless steel AISI 316 sheath	With densely packed Magnesium Oxide (MgO) insulated cable, stainless steel AISI 316 sheath	With densely packed Magnesium Oxide (MgO) insulated cable, stainless steel AISI 316 sheath
Diameter	3 mm	2 mm	3 mm
Length	150 mm	250 mm	150 mm

ORDER CODES

PT100 MEASUREMENT SYSTEM

Code	Description
TRANSMITTER	
MY-PT-150-3	PT100 handheld transmitter with PT-150-3-M12 probe
MY-PT-250-2	PT100 handheld transmitter with PT-250-2-M12 probe
MY-PT-150-3R	PT100 handheld transmitter with PT-150-3R-M12 probe
ACCESSORIES/SPARE	
PT-150-3-M12	PT100 class B, d=3 mm, L= 150 mm, M12 connector
PT-250-2-M12	PT100 classe B, d=2 mm, L= 250 mm, M12 connector
PT-150-3R-M12	PT100 classe B, d=3 mm, L= 150 mm, tapered terminal, M12 connector
MEASUREMENT TOOL KIT	
MY-PT-KIT	PT100 handheld transmitter with PT-150-3-M12, PT-250-3-M12, PT-150-3R-M12 probes



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HANDHELD MEASUREMENT SYSTEM

THERMOCOUPLE TYPE K PROBES • MY-TC

RH/TEMP. PROBE

	MY-TC-250-3	MY-TC-250-1.5	MY-TC-AC	MY-UT
				
	Thermocouple type K handheld probe, d=3 mm, L=250 mm, round tip, M12M connector	**Thermocouple type K handheld probe, d=1.5 mm, L=250 mm, round tip, M12M connector**	**Thermocouple type K handheld bow probe, M12M connector**	**Temperature / RH handheld probe, M12M connector**
GENERAL DATA				
Type of Measurement	Temperature	Temperature	Temperature	Temperature / Relative Humidity
Power Supply	By USB port	By USB port	By USB port	By USB port
Operating Temperature	-20..+50°C (handle)	-20..+50°C (handle)	-20..+50°C (handle)	-20..+50°C (handle)
Interface	Micro USB	Micro USB	Micro USB	Micro USB
Accuracy	Better than 1% measure / 2°C	Better than 1% measure / 2°C	Better than 1% measure / 2°C	±3% UR (20..80% UR) ±5% (<20%UR, >80%UR) ±0.5°C @ 25°C; 1.5°C @ -10..+60°C
Measurement Range	0..1.150 °C	0..1.150 °C	0..1.150 °C	-40..+120°C (Temp.) / 0..100% (UR)
Response Time	15 s	15 s	15 s	10 s
Probe connector	M12	M12	M12	M12
Configuration System	Android PIV APP by USB OTG Smartphone	Android PIV APP by USB OTG Smartphone	Android PIV APP by USB OTG Smartphone	Android PIV APP by USB OTG Smartphone
Settings (by Android App)	Analog / Digital visualization Max / Min session recording Session reset Analog scale setting Engineering unit (K, °C, °F, °R) setting Instant measurement recording and sharing (su SMS, Email, Whatsapp)	Analog / Digital visualization Max / Min session recording Session reset Analog scale setting Engineering unit (K, °C, °F, °R) setting Instant measurement recording and sharing (su SMS, Email, Whatsapp)	Analog / Digital visualization Max / Min session recording Session reset Analog scale setting Engineering unit (K, °C, °F, °R) setting Instant measurement recording and sharing (su SMS, Email, Whatsapp)	Analog / Digital visualization Max / Min session recording Session reset Analog scale setting Engineering unit (K, °C, °F, °R) setting Instant measurement recording and sharing (su SMS, Email, Whatsapp)
Marking	CE	CE	CE	CE
Norms	EN 61326, EN 61010-1	EN 61326, EN 61010-1	EN 61326, EN 61010-1	EN 61326, EN 61010-1
SENSOR				
Thermoelement	Single element thermocouple type K according to IEC 584 class 2 (ASTM E 230)	Single element thermocouple type K according to IEC 584 class 2 (ASTM E 230)	Bow thermocouple type K, compact version	Integrated capacitive temperature / relative humidity sensor
Isolation	100 MΩ at 500 Vdc	100 MΩ at 500 Vdc	100 MΩ at 500 Vdc	
Electrical connection	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)
Protection Degree	IP67	IP67		
Material	With densely packed Magnesium Oxide (MgO) insulated cable, Inconel 600 sheath	With densely packed Magnesium Oxide (MgO) insulated cable, Inconel 600 sheath	With densely packed Magnesium Oxide (MgO) insulated cable and ungrounded hot junction	Stainless steel AISI 316 S.S. (d=6 mm)
Diameter	3 mm	1,5 mm	12 mm	6 mm
Length	250 mm	250 mm	82 mm	120 mm
Bundled equipment	Thermocouple type K, L=1000 mm, wire ANSI FEP flat cable, M12M connector	Thermocouple type K, L=1000 mm, wire ANSI FEP flat cable, M12M connector	Thermocouple type K, L=1000 mm, wire ANSI FEP flat cable, M12M connector	

ORDER CODES

THERMOCOUPLE TYPE K MEASUREMENT SYSTEM

Code	Description
TRANSMITTER	
MY-TC-250-3	Thermocouple handheld transmitter with TCK-250-3-M12 and TCK-W-1000-M12 probes
MY-TC-250-1.5	Thermocouple handheld transmitter with TCK-250-1,5-M12 and TCK-W-1000-M12 probes
MY-TC-AC	Thermocouple handheld transmitter with TCK-AC-M12 and TCK-W-1000-M12 probes
ACCESSORIES/SPARE	
TCK-250-3-M12	Thermocouple type K , d=3 mm, L=250 mm, M12 connector
TCK-250-1.5-M12	Thermocouple type K, d=1.5 mm, L=100 mm, M12 connector
TCK-W-1000-M12	Thermocouple type K, joint exposed, L=1000 mm, M12 connector
TCK-AC-M12	Thermocouple type K, bow type, M12 connector
MEASUREMENT TOOL KIT	
MY-TC-KIT	Thermocouple handheld transmitter with TCK-AC-M12, TCK-250-3-M12, TCK-250-1,5-M12 and TCK-W-1000-M12 probes

TEMPERATURE / RH MEASUREMENT SYSTEM

Code	Description
TRANSMITTER	
MY-UT	Temperature / Relative Humidity handheld transmitter with UT-M12 probe
ACCESSORIES/SPARE	
UT-M12	Temperature / Relative Humidity probe, M12 connector
CONFIGURATION APP	
PIV-APP	App Android for handheld probes configuration (MY-PT, MY-TC, MYUT). For MicroUSB OTG smartphone

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