

PROFESSIONAL HANDHELD TEMPERATURE AND HUMIDITY PROBES FOR ANDROID DEVICES

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

(*) Compatible all Android devices with microUSB OTG port and operating system from version 4.0.0

GENERAL DATA

Type of Measurement	Temperature / Relative Humidity
Power Supply	By USB port
Operating Temperature	-20..+50°C (handle)
Interface	Micro USB
Accuracy	±3% UR (20..80% UR) ±5% (<20%UR, >80%UR) ±0.5°C @ 25°C; 1.5°C @ -10..+60°C
Measurement Range	-40..+120°C (Temp.) / 0..100% (UR)
Response Time	10 s
Probe connector	M12
Configuration System	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)
Marking	CE
Norms	EN 61326, EN 61010-1
SENSOR	
Thermoelement	Integrated capacitive temperature / relative humidity sensor
Electrical connection	Compensated male connector, plug-in and screw-on type, with body in moulded Nylon and M12X1 metal thred (DIN-VDE0627)
Material	Stainless steel AISI 316 S.S. (d=6 mm)
Diameter	6 mm
Length	120 mm

