



DATA SHEET

SI-HH3

Thermo-hygrometer



Backlit LCD screen



Calculated values
on mobile App



Magnetic backing
for easy fixing



Carrying bag



Sauermann Pilot App



Technical specifications

Parameters	Measuring units	Accuracy*	Measuring range	Resolution
Relative humidity	%RH	±2%RH at 25°C (5 to 95%RH)	from 0 to 100%RH	0.1%RH
Dew point**	°C _{Td} / °F _{Td}	-	from -40 to +60°C _{Td} from -40 to 140°F _{Td}	0.1°C _{Td} / 0.1°F _{Td}
Absolute humidity***	g/m ³	-	from 0 to 600 g/m ³	0.1 g/m ³
Enthalpy***	kJ/kg	-	from 0 to 10000 kJ/kg	0.1 kJ/kg
Mixing ratio***	g/kg	-	from 0 to 10000 g/kg	0.1 g/kg
Wet bulb temperature**	°C _{Tw} / °F _{Tw}	-	from 0 to 60°C _{Tw} from 32 to 140°F _{Tw}	0.1°C _{Tw} / 0.1°F _{Tw}
Temperature	°C, °F	±0.5°C ±0.9°F	from -20 to +60°C from -4 to 140°F	0.1°C / 0.1°F

*All the accuracies indicated in this technical datasheet were stated in laboratory conditions, and can be guaranteed for measurements carried out in the same conditions.

**Calculated values

***Calculated values, only available on the app

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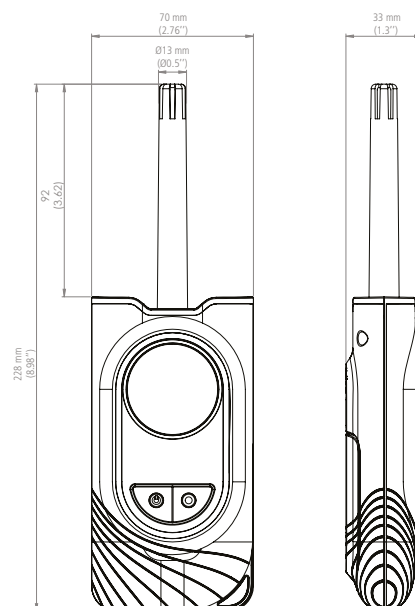
General features

Measuring element	Hygrometry: capacitive sensor Temperature: NTC
Display	Integrated 2-line LCD 7 segment monochrome display with backlight
Housing	ABS-PC and TPE, IP20
Keypad	1 ON/OFF & Backlight button 1 Hold/Min/Max/Live & value button
Standards & Directives	2011/65/EU RoHS II (EU)2015/863; 2012/19/EU WEEE; 2014/53/EU RED
Power supply	3 alkaline batteries LR03 AAA 1.5 V
Battery life	250 hours* (without backlight and without wireless communication)
Wireless communication	Range frequency from 2402 MHz to 2480 MHz with a transmit power of 0 dBm. Range up to 15 m (98 ft), depending on smartphone radio strength. Minimum required versions: Android 5.0, iOS 12.4, BLE 4.0
Ambiance	Air and neutral gas
Operating conditions	From -10 to +60°C (14 to 140°F). In non condensing conditions. Altitude: from 0 to 2000 m (6561').
Storage temperature	From -20 to +70°C (-4 to 158°F)
Auto shut-off	10 minutes (can be deactivated)

Weight (with batteries) 200 g (7 oz)

*Battery life given at 20°C (68°F) with alkaline batteries.

Dimensions



Kit content

- Certificate of conformity
- Quick Start Guide
- 3 alkaline batteries LR03 AAA 1.5 V
- Carrying bag

Sauermann Pilot App

The Sauermann Pilot app allows to view and record measurements in real-time.

Main features:

- Easily view different parameters
- Browse saved measurements history and data graphs (average, min & max values, etc.)
- Create reports (PDF or CSV) and add up to height (8) photos