HH-R1317/HH-R1318 RTD (Pt100) Indicator (1 or 2 Channel)

Easy to use, hand-held Pt100 indicators, available with 1 input channel (HH-R1317) or 2 input channels (HH-R1318). Accepts 3-wire Pt100 sensors, attached via a 3-pin miniature connector plug.
Selectable between Pt385 (most common), Pt3916 and Pt3926 standards.

The indicators have a sampling rate of 1.5 seconds with a measurement range of -190°C to +790°C (-310°F to +1454°F). A memory function allows storage and recall of up to 97 data snapshots. An alarm can be configured to audibly alert if the temperature exceeds a high/low limit.

Robust construction with an easy-to-read, backlit LCD display. The strong plastic case has an integrated tilt stand and can be further protected with an optional removable rubber holster. Supplied with batteries.

- 1 or 2 RTD (Pt100) input channels
- T1, T2, Diff T1-T2 (2 channel model)
- °C / °F / K selectable
- Backlit 4½ digit LCD display
- Polarity indicator, Overload indicator
- MIN, MAX, AVG with elapsed time, HOLD, Hi/Lo Alarm
- Battery powered, auto power off, low battery indicator
- Integrated tilt stand, optional rubber protective holster

HH-R1318 (2 channel) model shown

Technical Details

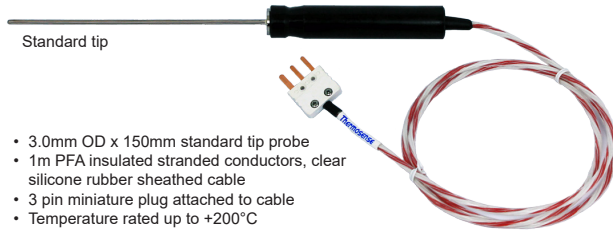|	
Input (3 pin miniature plug) *	(HH-R1317) 1 x Pt100 (3-wire)
	(HH-R1318) 2 x Pt100 (3-wire)
Measurement Range	-190°C to +790°C (-310°F to +1454°F)
Accuracy **	±[0.05% of reading +0.5°C (0.9°F)]
Temperature Coefficient	0.01% of rdg +0.03°C per °C (0.06°F per °F) outside the specified +18°C to 28°C (+64°F to 82°F) range
Resolution	0.1°C / 0.1°F / 0.1K
Sample Rate	1.5 times per second
Display	Backlit 4½ digit LCD display
Operating Temp./Humidity	0°C to +50°C < 80 %RH
Storage Temp./Humidity	-10°C to +60°C < 70 %RH
Power	6 x AAA batteries (supplied), approx. 55 hrs battery life
Dimensions	150mm (H) x 72mm (W) x 35mm (D)
Weight	~235g

HH-R1317 (1 channel) top view

HH-R1318 (2 channel) top view

order code	1 Channel	2 Channel
	HH-R1317	HH-R1318

Hand-held RTD (Pt100) Sensors

Standard tip

- 3.0mm OD x 150mm standard tip probe
- 1m PFA insulated stranded conductors, clear silicone rubber sheathed cable
- 3 pin miniature plug attached to cable
- Temperature rated up to +200°C
- Class A tolerance

order code	PPH-1S

Needle tip

- 4.0mm OD x 150mm needle tip probe
- 1m PFA insulated stranded conductors, clear silicone rubber sheathed cable
- 3 pin miniature plug attached to cable
- Temperature rated up to +200°C
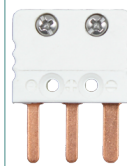- Class A tolerance

order code	PPH-2N

Optional Protective Holster

Rubber protective holster. Can be easily fitted.

order code	HH-HOLSTER

Miniature RTD Plug

Wiring schematic of miniature RTD plug for use with the
HH-R1317 (1 channel)
HH-R1318 (2 channel)
RTD (Pt100) indicators

Red   White   Red

order code	FMPT-U

* RTD sensor(s) not supplied - available separately
** Accuracy stated is for indicator only. The RTD sensor inaccuracy should also be considered