

4-Wire Pt100 Thermometers

- Auto-ranging
- Available with interchangeable or fixed probe
- Economical
- Missing probe indicator (HI955501)
- Optional protective boot

Pt100 models are widely recognized as the most accurate, with the best stability, repeatability and linearity among thermometers. Add to this the 4-wire system that is practically impervious to lead-wire length error, and you have a powerful tool to measure temperature accurately.

The HI955501 works with the HI768 series of Pt100 temperature probes, while the HI955502 model is supplied with a fixed general-purpose probe.

The HI955501 also features a missing probe indicator to alert the user if no temperature probe is detected.

Both the HI955501 and HI955502 measure temperatures with 0.1°C resolution in the -199.9 to 199.9°C range and then automatically switch to 1°C from 200 to 850°C. Press RANGE and the resolution switches to 1°C at any time.

A compact, ergonomic design and a wrist-strap make it easy to carry them anywhere in the lab or plant. To protect the meter during field measurements, a Hanna shockproof boot is recommended.



Specifications	HI955501	HI955502
Range	-199.9 to 199.9°C; -200 to 850°C	
Resolution	0.1°C (-199.9 to +199.9°C); 1°C (-200 to 850°C)	
Accuracy	±0.2°C and ±1 digit (-120.0 to 199.9°C); ±1°C and ±1 digit (-170 to 119.9°C and 200 to 450°C); ±1% f.s. and ±1 digit (outside) (excluding probe error)	
Probe	HI768 series stainless steel Pt100 temperature probe with 1 m (3.3') cable (not included)	HI768P fixed general purpose/penetration, stainless steel Pt100 temperature probe with 1 m (3.3') cable (included)
Battery Type / Life	9V / approximately 150 hours of continuous use	
Environment	0 to 50°C (32 to 122°F); RH max 95%	
Dimensions	143 x 80 x 38 mm (5.6 x 3.2 x 1.5")	
Weight	320 g (11.3 oz.)	
Ordering Information	HI955501 is supplied with battery and instructions. HI955502 is supplied with HI768P fixed temperature probe, battery and instructions.	
Probes for HI955501	HI768A	Air/gas, stainless steel Pt100 temperature probe with 1 m (3.3') cable
	HI768L	Air/liquid, stainless steel Pt100 temperature probe with 1 m (3.3') cable
	HI768P	General purpose/penetration, Pt100 stainless steel temperature probe with 1 m (3.3') cable