

# Short Probe Temperature Calibration Kit

- Reduce calibration uncertainties
- Avoid messy fluid baths
- Reduce calibration time
- Improved accuracy with custom control probe (included)
- Metric or Imperial kits available

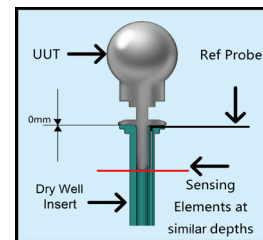


## OVERVIEW

The Additel 110 series short probe calibration kit is designed to help users of our ADT875-155 or ADT878-160 to calibrate temperature probes and transmitters with short probe lengths. This all-inclusive kit comes with everything needed to perform more accurate and reliable calibration for those challenging short probes. Choose between our metric or imperial kit to fit your needs. Each kit comes complete with (3) standard sized inserts and (1) blank insert, which can be modified by the end user to accommodate custom sized UUT's if needed. The small reference probe is included which fits snugly into the reference port of the specially machined inserts. Also, we include a small set of tools and supplies to help improve results by removing a couple of small parts on the top of the ADT875 or ADT878 calibrator. For more information, please watch our instructional short probe video found at [www.additel.com](http://www.additel.com)

## SPECIFICATIONS

AM1612-ADT Secondary PRT Specifications	
Temperature Range	-40°C to 160 °C
Resistance at 0 °C	Nominal 100 Ω
Temperature Coefficient	0.00385Ω/Ω /°C
Accuracy	±0.05°C at 0°C
Drift	±0.04°C at 0°C after 100 hours at 160°C
Short Term Stability	±0.02°C
Thermal Shock	±0.02°C after 10 times thermal cycles from minimum to maximum temperatures
Hysteresis	≤ 0.01°C
Self-heating	75 mW/°C
Response Time	4 seconds for 63% response to step change in water moving at 3 feet per second
Measurement Current	1 mA
Sensor Length	30 mm
Insulation Resistance	>1000 MΩ at room temperature
Sheath Material	Stainless Steel 316 L
Dimension	0.118 inch X 1.78 inch ( 3 mm X 45 mm )
External Leads	Enameled copper wire protected by high temperature heat shrink tubing, 4 leads, 0.8 meters
Calibration	NIST traceable calibration with data provided



Short Probe Kit Application

### Optional Accessories

Model number	Description	Picture
ADT110-875-L-SK-Z	Spare Blank Insert	
ADT110-878-L-SK-Z	Spare Blank Insert	
AM1612-ADT	Spare Short Style Secondary Reference Probe	

## ORDERING INFORMATION

### Model Number

ADT110 — 875 — L — SHRT — IKIT

Model:  
875  
878

Type:  
IKIT includes Imperial 1/8", 3/16", 1/4" inserts, (1) blank insert, reference probe and carrying case  
MKIT includes Metric 3, 4, 6 mm inserts, (1) blank insert, reference probe and carrying case

**Note:** Kits include (1) blank insert for field modification if needed

3 mm dia.	4 mm dia.	6 mm dia.
1/8 in dia.	3/16 in dia.	1/4 in dia.