

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



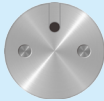

OVERVIEW

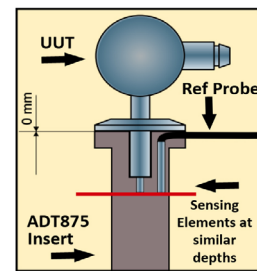
The Additel 110 series short probe calibration kit is designed to help users of our ADT875-155 (-40°C dry well) calibrate temperature probes and transmitters with short probe lengths (4" or less). This all-inclusive kit comes with everything needed to perform more accurate and reliable calibration for 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 875 calibrator. For more information, please watch our instructional short probe video found at www.additel.com

SPECIFICATIONS

| AM1612-ADT Secondary PRT Specifications | |
|---|--|
| Temperature Range | -196 °C to 180 °C |
| Resistance at 0 °C | Nominal 100 Ω |
| Temperature Coefficient | 0.00385 1/°C |
| Drift | ±0.05 °C at 0 °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 |

Optional Accessories

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



Short Probe Kit Application

ORDERING INFORMATION

Model Number

ADT110 - 875 - L - SHRT - IKIT

Type:

IKIT includes Imperial 1/8", 3/16", 1/4" inserts, (1) blank insert, reference probe and carrying case
MKIT includes Metric 6, 8, 12 mm inserts, (1) blank insert, reference probe and carrying case

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

