



High Accuracy  
Water-Proof

# Precision RTD Thermometer

## TU-6100

Dual RTD input with Data Logging

IP66  0.01°  RS-232  USB

- High Resolution : 0.01°
- IP66 Water-Proof
- Accept PT100 and PT1000Ω Input
- Dual Probes (T1-T2)
- Large LCD Display with LED Back-Light
- Hold / Max. / Min. / Average
- High / Low Alarm Setting
- USB / RS-232 Output
- CE and RoHS Approved



Data Logging

### Specifications of TU-6100

<b>Input Types (RTD)</b>	PT-100Ω / PT-1000Ω (α= 3850, ITS-90), Dual input (four wire RTD)
<b>Measurement Range</b>	PT-100Ω / PT-1000Ω (-200.00 ~ +850.00°C, -328.00 ~ +1562.0°F)
<b>Resolution</b>	0.01°C ( Full Measuring Range); 0.01°F(under 999.99°F), 0.1°F(above 1000.0°F)
<b>Accuracy*</b>	± 0.05% of rdg + 0.1°C (In 23±5°C, operating environment) ± 0.1% of rdg + 0.2°C (Out of 23±5 °C, operating environment)
<b>Sampling Rate*</b>	Approx. 0.5 sec.
<b>Main Functions</b>	Hi / Lo Alarm setting, T1-T2, Data hold, Max./Min./Avg.values record, Switchable °C / °F, Digital USB / RS-232 output, Battery sign and low battery warning, Outside calibration function, LED Back-light, IP66 water and dust proof
<b>Output</b>	USB / RS-232, 0.01°C / 1 BIT (protocol provided)
<b>Power Source</b>	One 9 V battery or AC Adaptor
<b>Dimensions/Weight</b>	150 x 75 x 28 mm, Approx.260g (battery included)
<b>Input Connection</b>	Four wire connector water-proof socket
<b>Operating Environment</b>	-30 ~ + 60°C ; 0 ~ 100%RH
<b>Special Accessories</b>	Water-proof plug and cable for RTD Temperature probe
<b>Approvals</b>	CE, RoHS, IP66

\*Above accuracy and sampling rate excludes errors generated by temperature probe.

### Ordering Information :

※Can be purchased separately TU-6100, or purchase with accessories.

① TU-6100	Precision digital thermometer, RTD type
② LP-12U	Immersion temperature probe
③ LP-32U	Needle temperature probe
④ LP-C6U-W	Waterproof plug and cable for RTD Temperature probe
⑤ TU-RS232-W	RS-232 Interface cable
⑥ TU-USB-W	USB computer interface cable
⑦ TU-655C	Plastic carrying case
⑧ TU-6019 / 6029	AC Adaptor, TU-6019 (AC100V±10%) / TU-6029 (AC220V±10%)



\*Specifications are subject to change without notice.

TU-6100KIT