



High Accuracy Water-Proof Precision RTD Thermometer

TU-6100 RTD input

- 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



Specifications of TU-6100

Input Types (RTD)	PT-100Ω / PT-1000Ω ($\alpha = 3850$, ITS-90), Dual input (four wire RTD)
Measurement Range	PT-100Ω / PT-1000Ω -200.00 ~ +850.00°C, -328.00 ~ +1562.0°F
Resolution	0.01°C (Full Measuring Range); 0.01°F (under 999.99°F), 0.1°F (above 1000.0°F)
Accuracy*	± 0.05% of rdg + 0.1°C, (In 23±5°C, operating environment) ± 0.1% of rdg + 0.2°C, (Out off 23±5°C, operating environment)
Sampling Rate*	Approx. 0.5 sec.
Main Functions	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
Output	USB / RS-232, 0.01°C / 1 BIT (protocol provided)
Power Source	One 9 V battery or AC Adaptor
Dimensions/Weight	150 x 75 x 28 mm, Approx.320g (battery included)
Input Connection	Four wire connector water-proof socket
Operating Environment	-30 ~ + 60°C ; 0 ~ 100%RH
Special Accessories	① Water-proof plug and cable for RTD Temperature probe ② Instrument docking base
Approvals	CE, RoHS, IP66

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

Ordering Information :

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
⑨ DU-606B	Instrument docking base

※Specifications are subject to change without notice.

