



High accuracy
Water-proof

Precision RTD Thermometer

TU-6100 RTD input

- High resolution: 0.01°C.
- IP66 water-proof applications.
- Dual PT100 and PT1000Ω input.
- Large LCD display with LED back-light.
- T1-T2/Max./Min./Average.
- High / Low alarm setting.
- USB/RS-232 output.
- CE and RoHS approved.

- IP66
- 0.01
- RS-232
- USB



Specifications of TU-6100

Input Types (RTD)	PT-100Ω / PT-1000Ω (α= 3850, ITS-90), Dual input (four wire RTD)
Measurement Range	PT-100Ω / PT-1000Ω - 200.00 ~ + 850.00 °C, -328.00 ~ +1562.0°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)
Resolution	0.01°C (Full Measuring Range); 0.01°F (under 999.99°F), 0.1°F (above 1000.0°F)
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
Accessories of TU-6100 Kit	TU-6100 High accuracy thermometer LP-12U Immersion temperature probe TU-RS232-C RS-232 Interface cable TU-USB-C USB computer interface cable TU-6019 / 6029 AC Adaptor
Approvals	CE ; RoSH ; 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 TU-RS232-W	RS-232 Interface cable
⑤ TU-USB-W	USB computer interface cable
⑥ TU-655C	Plastic carrying case
⑦ TU-6019 / 6029	AC Adaptor

