



ET3860 DIGITAL THERMOMETER, UNIVERSAL STICK THERMOMETER

Short Description:

ET3860 standard digital engraved stem thermometer is the new selection in field of industrial temperature calibration and high precision measurement. Its accuracy and repeat ability can be achieved better than 0.05 °C / year. Lithium batteries (don't need to replace) 's life is lasting, intuitive readings, strong and durable.

Characteristic

- ▣ The accuracy and repeatability is better than 0.05 °C / year, electricity float is less than 1 PPM / °C
- ▣ Wireless Communication: real-data can be transmitted to computer through wireless communication.
- ▣ Curve display: can display the real time curve in the same time as many as 32 sets thermometer.
- ▣ Data record : can save 16,000 strip temperature measurements.
- ▣ Intelligent indication: the trend indicator shows the trend of temperature change
- ▣ zero mark: arbitrary point zero mark, volatility, deviation value visual display
- ▣ Intelligent processing: maximum, minimum and average values are directly calculated and displayed
- ▣ Unit : K, °C, and °F can be switched arbitrarily
- ▣ Resistance value display: sensor resistance value and temperature value synchronous corresponding display
- ▣ Scheduled shutdown: the shutdown time can be set from 1 minute to 48 hours
- ▣ Ultra-low power consumption: No need to do battery replacement
- ▣ Sampling rate can be adjusted: the sampling period from 1S to 2H can be customized to facilitate timing sampling

Technical indicator

Model	ET3860B-180/ET3860C-180	ET3860B-300/ET3860C-300
temperature range	-60-180°C	-80-300°C
Sensor specification	Thin film platinum resistance (RTD)	Wire wound platinum resistance(PR)
Accuracy	B model : best 0.05°C; C model best 0.1°C	
Calibration cycle	One year	
Host temperature coefficient	<1ppm/°C	
Sensor length	500mm (19.68 inch)	
Sensor diameter	6mm	
Sensor material	316 stainless steel (medical, food grade)	

Sensor temperature coefficient	Rating 0.00385 $\Omega/\Omega/^{\circ}\text{C}$
display resolution	0.001 $^{\circ}\text{C}$ (User configurable to 0.1 $^{\circ}\text{C}$ 、0.01 $^{\circ}\text{C}$)
Sampling frequency	0.5S、1S、2SConfigurable
Thermal response time constant	30S
Data storage	16,000 sets of data (with time stamp)
Way of communication	USB and wireless communication
Wireless communication distance	Unobstructed farthest 160m
type of battery	High temperature lithium battery
Charging voltage	DC5V
Host working environment	10 $^{\circ}\text{C}$ to 50 $^{\circ}\text{C}$ (14 $^{\circ}\text{F}$ to 122 $^{\circ}\text{F}$)
Protection level	Host IP50, sensor IP68
Host size	Main unit size 106mm (length) X48mm (width) X37mm (thickness)
Total Weight	210g
Optional accessories	1, USB wireless communication module; 2, digital thermometer management software Teflon casing