

The sensor chip used in E-T1W-1M/-7 is pre-calibrated by the chip manufacturer.

CHIP FEATURES

- Unique 1-Wire interface requires only one port pin for communication
- Multi-drop capability simplifies distributed temperature sensing applications
- Requires no external components
- Can be powered from data line. Power supply range is 3.0VDC to 5.5VDC
- Zero standby power required
- Measures temperatures from -55°C to +125°C (-67°F to +257°F)
- +/- 0.5°C accuracy from -10°C to +85°C
- Thermometer resolution is programmable from 9 to 12 bits
- Converts 12-bit temperature to digital word in 750 ms (max.)

Typical Error Curve

