

TITAN

Thermocouple

TCx16HR-7x

16 Channel Data Acquisition Recorder

Key Features:

- Stand-alone recording to SD memory card for up to 16 channels
- Records directly to a PC via USB
- High performance analog front-end with full Balance and Calibration loopback features
- Onboard controls for in-the-field recording and calibration operations.
- Compact size, light weight and low power consumption make the device suitable for in-vehicle applications
- Interfaces with other Titan data acquisition products to provide up to 128 channels
- GPS recording supported
- Available for Type J, K or T thermocouples



Specifications:

<i>Number of Channels</i>	16 fault-tolerant channels on Mini-Thermocouple connectors
<i>Sample Rate</i>	High Speed Operation — up to 10,000 samples per second per channel Low Speed Operation — up to 1200 samples per second per channel
<i>Programmable Gain</i>	1, 2, 4, 8, 16, 32, 64, 128, 256, 512
<i>Programmable Filter</i>	10 pole Linear phase tracking filter for scan rates up to 10K samples/second 8 pole Butterworth for scan rates up to 1200 samples per second
<i>Calibration Modes</i>	Precision positive and negative calibration voltages provided
<i>Thermocouple Support</i>	Types J, K, & T
<i>GPS</i>	Optional GPS support for the Garmin 18X-5Hz; PPS support
<i>PC Operation</i>	Remote recording and control via USB
<i>Stand-alone operation</i>	Via on-board switches or supplied remote control
<i>Recording Media</i>	Secure Digital (SD) memory card, 2GB furnished, up to 16GB supported
<i>Power Requirements</i>	10 VDC (min), 11-32 VDC recommended, 3 Watts
<i>Dimensions / Weight</i>	13.5 cm x 10.6 cm x 5.6 cm (L x W x H) / Weight 420g
<i>Models</i>	TCJ - Type J Thermocouple TCK - Type K Thermocouple TCT - Type T Thermocouple