

J1939 Inclinometer

This solid state inclinometer utilizes MEMs technology to precisely output the angular data to the J1939 bus. This device is available in single, dual, or triple axis configurations.



Product Features

- 12V or 24V operation
- Reverse battery protection
- Voltage transient protection
- Meets ESR Region1, Class C EMR for 10KHz - 1 GHz to 100 V/M
- Meets emissions limits for a Class 4 device over a frequency range of 150KHz - 1GHz
- Small footprint
- Potted - protection from extreme environments
- Easy 2 point mounting / rugged ABS housing
- Customizable

Environmental Specifications

Storage temp.: -40° to 85° C
Operating temp.: -40° to 85° C
IP rating: 67
Weight: 0.20 lbs. Typ
Dimensions: 2.19" W x 2.75"L x 1.25"H
Mounting holes (2): 2.625" apart, 0.188" Dia.

Unit Connections

DTF13-6P
Mate connector: DT06-6S
Mate contact: 0462-201-16141
Mate wedge lock: W6S

Pin 1: CAN H	Pin 2: CAN L
Pin 3: System GND	Pin 4: +V
Pin 5: IN 1	Pin 6: IN 2

IN 1 and 2 set the CAN address for the device.

Electrical Specification

Operating voltage: 8-32 VDC
Baud rate: 250 kbps

Range & Accuracy

Single axis: 360° range 0.6° accuracy
Dual axis: +/- 90° range 0.25° accuracy

