



Key Features & Benefits

- Six degree of freedom inertial measurement unit
- Compact form factor: Mount in any orientation
- High cycle count connector
- Suitable for harsh vibration environments (HEX bucket and dozer blades)
- Mount directly to linkage; no shock mounting required
- Internal power conditioning; 9-32 VDC input
- Flash upgradeable firmware
- Precision locating feature for positioning and re-positioning
- CE, RCM, RoHS and REACH compliant; WEEE labeled

Performance Characteristics

Accelerometer Range (3 axis):	±20g
Accelerometer Resolution:	2922 micro-g/sec ²
Warm-up Time:	
Typical:	4 minutes (20°C startup)
Maximum:	10 minutes (-40°C startup)
Gyro Range (3 axis):	± 250°/s
Gyro Resolution:	0.23°/s

Physical Characteristics:

Size:	
Height:	44 mm (1.74 in.)
Width:	68 mm (2.66 in.)
Length:	138 mm (5.42 in.)
Weight:	0.5 Kg (1.0 lb)
Mounting Holes:	Asymmetric pattern; 3 x clearance holes for M6 bolts
Precision Location Feature (hole and slot):	Yes

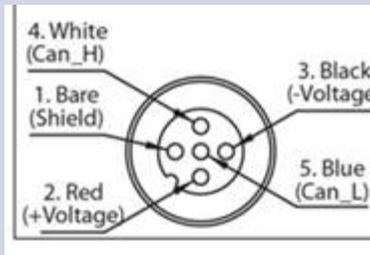
Environmental Characteristics:

Operating Temperature:	-40°C to +85°C (-40°F to +185°F)
Storage Temperature:	-40°C to +95°C (-40°F to +203°F)
Humidity:	100% fully sealed
Sealing:	IP67
Vibration Survival:	29.8 GRMS
EMC:	
Emmissions:	Compliant with CE (Exceeds ISO 13766:2006)
Susceptibility:	Compliant with CE (Exceeds ISO 13766:2006)

Technical Specifications:

Electrical Input Voltage:	9 to 32 V DC
Current Draw (maximum):	1.2 A max at 9V
Current Draw (typical):	<0.4 A
Control Interface:	CAN (SAE J1939)
Reverse Voltage Protection:	Yes
Load Dump Protected:	Yes
Short Circuit Protected:	Yes, CAN lines to power and ground
Internal CANbus Termination:	No
Software Function Instance:	Yes; 16 instances
Hardware Function Instance:	No

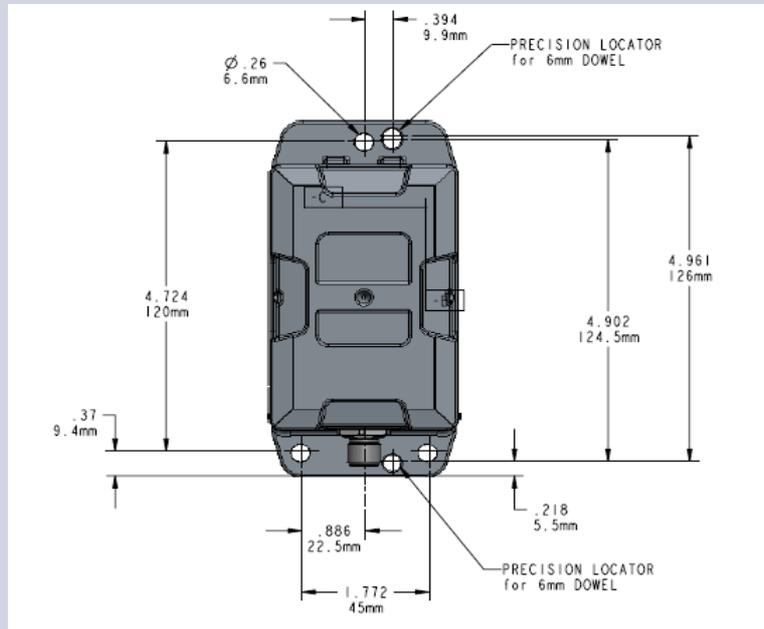
Connector:



Style:
 Cycle Count:
 Keying:
 Pinout:

M12 (5-pin); male thread
 >100 cycles
 standard
 1: Shield
 2: Batt +
 3: Batt -
 4: CAN Hi
 5: CAN Lo

Mounting Hole Pattern:



Specifications subject to change without notice.

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Trimble Inc.
 10368 Westmoor Drive
 Westminster, CO 80021
 USA
www.trimble.com