
 Engine Governing Systems	Document: Data-Sheet Version: 1 Status: Actual Author: wl Date: 24.4.01 Approved: dh Date: 24.4.01 File: PC	MSP 6732B Dual Magnetic Speed Sensor	 HUEGLI TECH LTD SWITZERLAND Tel.: + 41-62-916 50 30 Fax: + 41-62-916 50 35

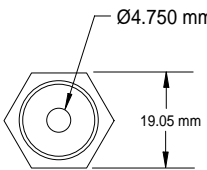
Product Advantages

- Only one threaded hole required in flywheel housing
- Two independent, yet synchronised sensors in one provide full redundancy
- Just one sensor needed, if a speed signal as input for two independent system is needed.
- One sensor can supply two independent governor systems, or a governor and a tachometer
- Less expensive than two individual sensors

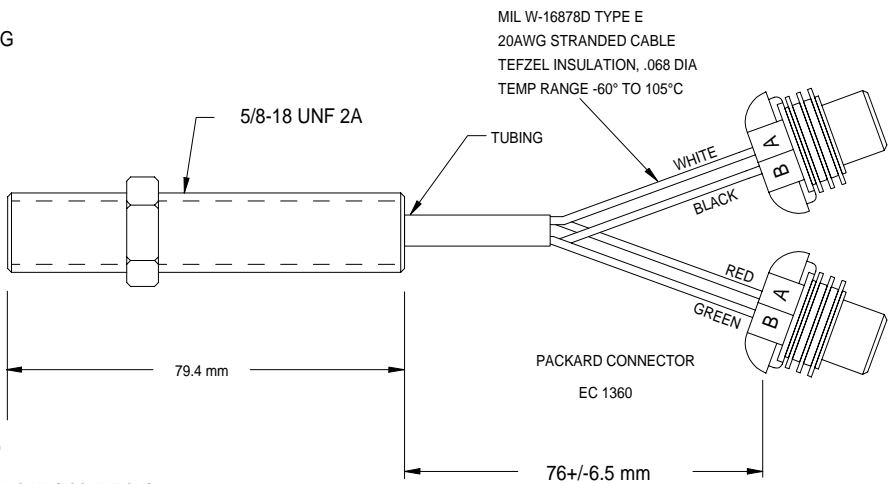
Potential Markets

- Marine
- Railway
- Gen-Set
- Industrial Applications like cranes, etc.

REV	DESCRIPTION	ZONE	MSP6732 B
(A)	3.125 WAS 2.825 ADDED WIRE COLORS CDM 3 - 16 - 99		
(B)	REVISE TO MATCH VENDOR DWG DCN#1013 CDM 6-30-99		



Ø4.750 mm
19.05 mm



5/8-18 UNF 2A
79.4 mm
76+/-6.5 mm

MIL W-16878D TYPE E
20AWG STRANDED CABLE
TEFZEL INSULATION, .068 DIA
TEMP RANGE -60° TO 105°C

TUBING

WHITE
BLACK
RED
GREEN

PACKARD CONNECTOR
EC 1360

MATING HALF CONNECTOR
EC 1350

SPECIFICATIONS

- RESISTANCE: 180 OHMS +/- 20% @ 78° F (2X)
- INDUCTANCE: 60 mH +/- 10% @ 200 Hz (2X)
- OUTPUT VOLTAGE: 4.2 V P-P UNDER THE FOLLOWING CONDITIONS
 - AIRGAP : .030"
 - TEST WHEEL: 8 PITCH GEAR
 - SURFACE SPEED: 150 INCHES PER SECOND
 - LOAD: 100 K OHMS
- POLARITY: WHITE & RED WIRES NEGATIVE WITH RESPECT TO BLACK & GREEN WIRES WITH THE APPROACH OF THE FERROUS TARGET
- TEMPERATURE RANGE: -65° F - 225° F (OPERATING)
-100° F - 225° F (STORAGE)
- HIGH POT: 500 +/- 15 V RMS MIN.
LEAD WIRES TO CASE
- LEAD WIRES MUST EACH WITHSTAND A 10 LB. PULL TEST.
- MARK SHRINK TUBING USING BLACK INK:
"MSC", "MSP6732", DATE CODE
- INSULATION RESISTANCE:
100M OHM MIN AT 100V DC.

POS.	DESCRIPTION	QTY.	DRAWING NO.	REV
MAGNETIC SPEED SENSOR				
DRAWN	CDM	DATE	12 - 23 - 98	SIZE
CHECKED		DATE		DRAWING
USED ON	NEXT ASSY.	SCALE	1:1	SHEET
			MSP6732	B