

## Description:

THE MSC 007 VARIABLE RELUCTANCE SPEED SENSOR (a.k.a. SPEED SENSOR P/N 401007-00) MEASURES HIGH SPEEDS ON ENGINE DRIVEN GENERATORS. IT IS ALSO AVAILABLE IN A METRIC VERSION, IS AVAILABLE WITH OR WITHOUT A DEUTSCH CONNECTOR, IT IS TOUGH AND VERSATILE. THE MSC 007 VARIABLE RELUCTANCE SPEED SENSOR IS COMMONLY USED IN AGRICULTURE, ELECTRIC POWER GENERATION, AND INDUSTRIAL APPLICATIONS.



SENSOR SPECIFICATIONS				TEST SPECIFICATIONS	
NOM. RESISTANCE	1000 OHMS $\pm$ 20%	HOUSING MATERIAL	300 SERIES S.S.	OUTPUT VOLTAGE	6.0 V MIN. PEAK TO PEAK AT THE FOLLOWING CONDITIONS
INDUCTANCE	174 mH REF	HIGH POT	500 VDC	SURFACE SPEED	280 I.P.S (7.112 m/s)
OPERATING TEMPERATURE	-40° C to 105° C	WIRE	22AWG SHIELDED CABLE	TEST WHEEL	20 PITCH, 60 TOOTH FERROUS MATERIAL
DIELECTRIC STRENGTH	500 VDC	MOUNTING THREAD SIZE	3/8-24 UNF 2A THREAD	AIR GAP	0.025 in (.635mm)
POLARITY	PIN 3 POSITIVE WITH RESPECT TO PIN 2 WITH THE APPROACH OF FERROUS TARGET	CONNECTOR	DEUTSCH (DTM06-3S)	LOAD RESISTANCE	100 Kohm

## SENSOR

