

5.4" [137 mm]

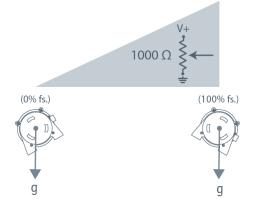
The model IT9101 is a rugged and simple device which provides a voltage divider feedback signal for incline position up to 240 degrees. The heart of the IT9101 is a

A highly linear relationship between inclination and the output signal is maintained over the full range of the IT9101.

magnetically-damped pendulum coupled to a

conductive plastic precision potentiometer.

Output Signal



IT9101 Inclinometer • Voltage Divider

Measuring Range Options from 0-105° to 0-240° **Aluminum or Stainless Steel Enclosure Options** Perfect for Water Management/ Tainter Gate Position **IP68 • NEMA 6 Protection**

General

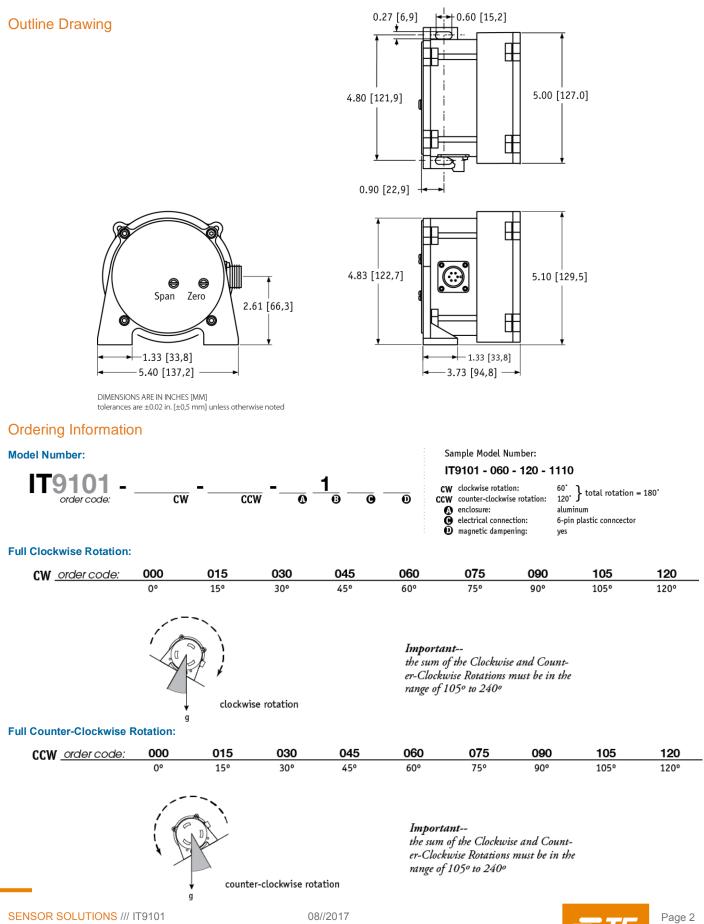
Available Full Stroke Ranges	0-105 to 0-240 degrees
Enclosure Material Options	powder-painted aluminum or stainless steel
Sensor	plastic-hybrid precision potentiometer
Electrical Connector	MS3102E-14S-6P
Mating Plug (included)	MS3106E-14S-6S
Weight, Aluminum (Stainless Steel) Enclosure	5 lbs. (10 lbs.) max.

Electrical

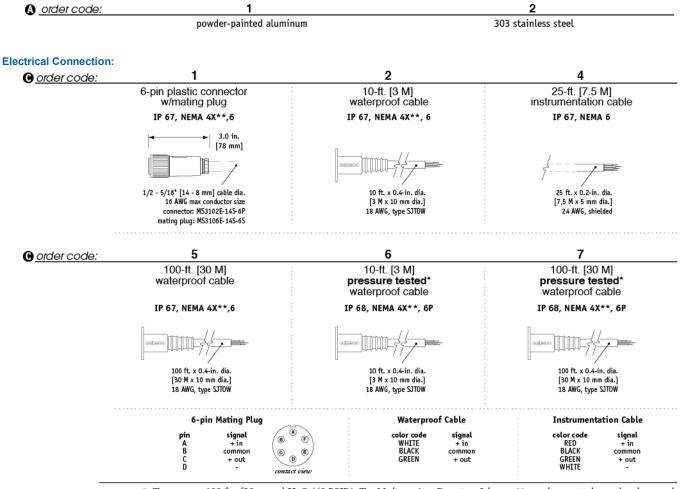
Output Signal	voltage divider (potentiometer)
Input Resistance	1000 Ω (±10%)
Recommended Maximum Input Voltage	30 V (AC/DC)
Full Scale Output Signal Change (Vdc)	92% ± 6% of input voltage

Environmental

Enclosure	NEMA 4/4X/6, IP 67/68
Operating Temperature	-30° to 200°F (-34° to 90°C)
Vibration	up to 10 g to 2000 Hz maximum



Enclosure Material



*-Test pressure: 100 feet [30 meters] H2O (40 PSID) Test Medium: Air; Duration: 2 hours. **-applies to stainless steel enclosure only.

Dampening Option:

order code:	0	1
	with magnetic dampening	without magnetic dampening

NORTH AMERICA

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