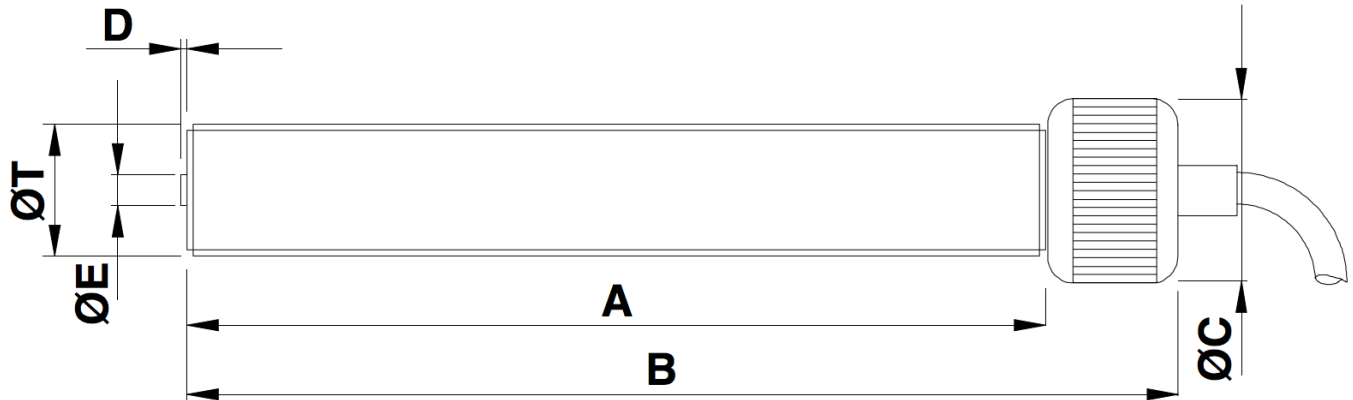


Type 44 Captive Cable Type
 Extended Temperature
 Enhanced Output
 Special Build Speed Sensor

MPU1685HTX Magnetic Pickup



Mechanical specification

dimensions in mm unless otherwise stated

<i>Dimension</i>		<i>Part number</i>
A	85	
B	102	
ØC	Ø22 medium straight knurled cap	
D	0.4 nominal	
ØE	Ø3.17 pole piece	
ØT	5/8" x 18 tpi UNF-2A	MPU1685HTX-I
or	M16 x 1.5 6g	MPU1685HTX-M
Main body material	Stainless steel	
End Bobbin face	Polypropylene (colour coded – black for UNF thread, white for M16 thread)	
Locknut	2 off (stainless steel) supplied as standard	

*Previous code MPU1163-I / MPU1163-M

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Electrical specification

Resistance 750Ω nominal @ 20°C

Inductance 380mH nominal

Operating temperature range -54°C to +130°C

Voltage output 30V peak-peak [see note 1]

Minimum speed 20mm/second [see note 2]

Termination Type 44 22awg 2-core 19/0.16 screened cable x 1 metre [44A1121-22-2/6-9(S50)]

Notes:

1. Nominal output is a typical peak to peak voltage measured across a 10K load using a 60 tooth mild steel gear wheel of Ø6", rotating at 1000 rpm and with an air gap setting of 0.01".
2. Minimum speed in mm/second to generate 100mV peak to peak typical output under standard test conditions as in note 1.
3. Ruggedised build for increased vibration in normal operational use.
4. Red wire is positive to blue wire as target approaches. When fitting a 3-way line connector to the captive cable ensure that red is connected to Pin B, blue to Pin A, and screen to pin C. The cable must be fitted with suitable additional sleeving to ensure seal to cable bush. The connector back shell is to be filled with Dow Corning 744 non-corrosive silicone adhesive/sealant. The mating spigot of the connector must be fitted with a BS012 silicone O-ring seal.

Reliability, Guaranteed



Logitech Electronics Limited

MADE IN THE UK

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Sensormatic srl - Via della Beverara 13 - 40131 Bologna
Tel. +39 051 63 53 511 - smbox@sensormatic.it - www.sensormatic.it