




Configuration:	Linear
Sensing Range:	73.00mm
Air Gap:	~27.2mm
Supply Voltage:	+5VDC $\pm$ 0.25VDC Regulated
Resolution:	12 bit
Update Rate:	5kHz
Output:	Configurable 0.25 – 4.75VDC analogue
Supply Current:	nom 30mA @ +5VDC
Reverse Polarity:	Do NOT connect in reverse
Sensitivity:	Min. 61.6mV/mm
Termination:	Supplied as flying lead
Wiring:	100mm Raychem 55M 5 core 26AWG sleeved in RW-200E
Sensor Dimensions:	Approx. 86mm x 33mm x 25mm (see drawing view)
Housing Material:	Peek
Finish:	None
Mounting:	2 x M4 (see drawing)
Linearity:	+/- 0.4% full scale output
Operating Temperature:	-40°C to 150°C
Storage Temperature:	-40°C to 150°C
Vibration:	10G from 10Hz to 2,000Hz
Shock:	50 G half sine wave with 11 ms duration
Sealing:	IP67
Part Number:	FU-060-03
Target magnet assy:	FU-012-01

CONNECTOR PIN OUT				
PIN No	TYPE	AWG	PIN OUT / WIRE COLOUR	DESIGNATION
1	55M	26	RED	+5VDC ( $\pm$ 0.25VDC) SUPPLY
2	55M	26	YELLOW	ANALOGUE SIGNAL OUT
3	55M	26	WHITE	Tx COMMS (TRANSMIT)
4	55M	26	GREEN	Rx COMMS (RECEIVE)
5	55M	26	BLACK	GnD

ISSUE	DESCRIPTION	ISSUE DATE	APPROVED
01	FIRST ISSUE	12.07.2021	N MEECH
02	MAGNET POLE ANNOTATION ADDED	27/08/2021	N MEECH
03	STROKE EXTENDED	04/10/2022	N MEECH

- ASSEMBLY NOTES:
1. ALL SCREWS TO BE SECURED USING LOCTITE 243
  2. M2 BOLTS TO BE TORQUED TO 0.6Nm
  3. ENCAPSULATE USING RAYTECH MAGIC RUBBER
  4. ADHESIVE STAKE ALL INTERNAL SOLDER/WIRE CONNECTIONS AND ANY COMPONENTS TALLER 3mm WITH S11 OR EQUIVALENT PRIOR TO POTTING

GENERAL TOLERANCES ALL DIMENSIONS IN mm ISO 2768-FH TOLERANCING ISO 8015 Surface Finish  UNLESS OTHERWISE STATED		FINISH:		DEBUR & BREAK ALL SHARP EDGES	
NAME		SIGNATURE		DATE	
DRAWN		N MEECH		12/07/2021	
CHK'D				 THIRD ANGLE	
APPV'D					
MFG					
Q.A					
 © DESIGN COPYRIGHT RESERVED Reventec Ltd Unit 10, Downton Business Centre Downton Wiltshire SP5 3BU Tel: +44(0)1725 510 321 Email: info@reventec.com Website: www.reventec.com		MATERIAL:		WEIGHT:	

TITLE:		BOOT STRAP POSITION SENSOR	
DWG NO.		FU-060-03	A3
SCALE: 1:1		SHEET 1 OF 1	