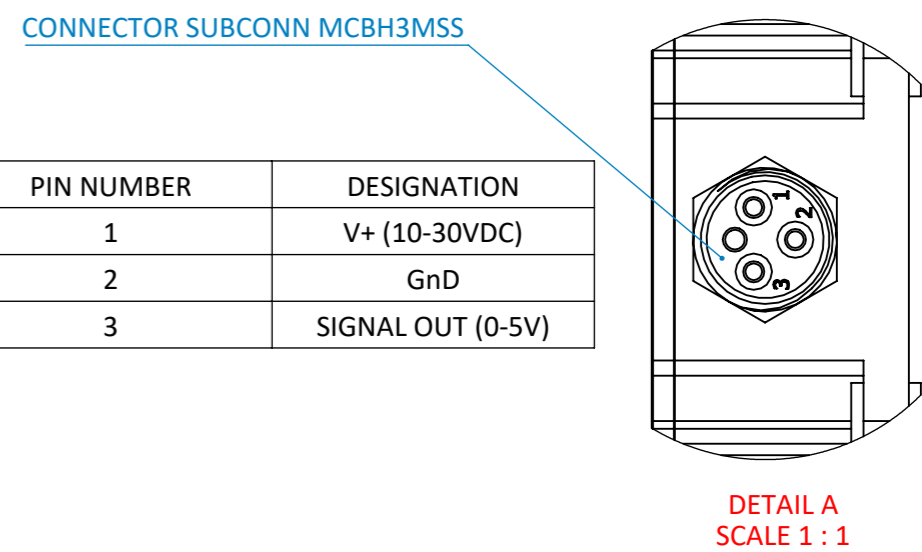


G1/8" THREAD
COMPRESSION LOCKING GLAND
TO SECURE THERMOCOUPLE TIP IN
DESIRED POSITION IN EXHAUST FLOW

FSM8-30
PROBE IS DESIGNED TO BE MANIPULATED TO DESIRED SHAPE WITHOUT RISK OF BEING DAMAGED.



PIN NUMBER	DESIGNATION
1	V+ (10-30VDC)
2	GnD
3	SIGNAL OUT (0-5V)

CALIBRATION MAP	
TARGET TEMP DegC	Voltage
-100	0.70
-50	0.85
0	1.00
50	1.15
100	1.30
150	1.45
200	1.60
300	1.90
400	2.20
600	2.80
800	3.40
1000	4.00
1300	4.90

- NOTES:
- OPERATING TEMPERATURE OF ELECTRONICS : -40degC to +85degC
 - OPERATING TEMPERATURE RANGE OF PROBE TIP -100degC to +1300degC
 - PROBE AND ELECTRONICS PRESSURE RATING: 10BAR
 - VOLTAGE SUPPLY: 10-30VDC +/-0.5VDC
 - CURRENT CONSUMPTION: 3mA nom
 - ANALOGUE OUTPUT ACCURACY : 0.14%FS
 - OUTPUT @ 0degC: 1.00VDC
 - OUTPUT @ +800degC: 3.40VDC
 - SENSITIVITY: 3mV/degC
 - IP RATING: 1P69K
 - SENSOR MATERIALS: PROBE ; INCONEL
COMPRESSION FITTINGS; 316 STAINLESS STEEL
ELECTRONICS ENCLOSURE; HARD ANODISED AL 6082T6

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ±0.05 ANGULAR: ±0.05		FINISH: M/C	DEBUR AND BREAK SHARP EDGES	REVISION ISSUE	DESCRIPTION	DATE	APPROVED
DRAWN NJM		SIGNATURE	DATE 21.5.20	01	FIRST RELEASE	21.05.20	NJM
CHK'D				02	COMPRESSION GLAND THREAD CHANGED	17.07.20	NJM
APPV'D				TITLE: SUBMERSIBLE THERMOCOUPLE			
MFG				DWG NO. IE-020-02		A3	
Q.A				SCALE: 1:2		SHEET 1 OF 1	
© DESIGN COPYRIGHT RESERVED Reventec Ltd Unit 14, Osmeaton Business Centre Salisbury Wiltshire SP5 3JH TEL: +44(0)1753 510321 Email: info@reventec.com Website: www.reventec.com		MATERIAL: SEE NOTES		WEIGHT:			