



**ELECTRICAL OPTIONS/ SPECIFICATIONS**

OUTPUT	SUPPLY
0.5 TO 4.5V RATIOMETRIC	5V
SUPPLY CURRENT	12mA TYP. 20mA MAX.

CABLE: 0.2mm<sup>2</sup>, O/A SCREEN, PUR JACKET - SUPPLIED WITH 50cm OR REQUIRED LENGTH IN cm (15000cm MAX).  
 STANDARD 3-CORE: JACKET Ø4mm BLACK e.g. L50  
 OPTIONAL 5-CORE: JACKET Ø4.6mm BLUE e.g. LQ50

CABLE/CONNECTOR\* CONNECTIONS;

3 CORE	5 CORE	CONNECTOR
RED	RED	:1 +Ve
-	ORG	:1 +SENSE (5-WIRE ONLY)
BLACK	BLACK	:3 0V
-	GRY	:3 -SENSE (5-WIRE ONLY)
WHITE	WHITE	:2 OUTPUT
SCREEN	SCREEN	:4 BODY

\*CONNECTORS; MAXIMUM CONDUCTOR CROSS SECTION 0.75mm<sup>2</sup>  
 RANGE OF DISPLACEMENT FROM 0-5mm TO 0-800mm e.g.76, IN INCREMENTS OF 1mm.

BODY TUBE/PROBE HOUSING MATERIAL: STAINLESS STEEL.  
 35 A/F BASE MATERIAL: STAINLESS STEEL (CODE 'P')  
 FLANGE MATERIAL: STAINLESS STEEL (CODE 'T')

FURTHER OPTIONS:  
 SEE DRAWING TG24-11 FOR #OPTIONAL FLANGE DETAILS AND ORDERING INFORMATION.

TARGET TUBE:  
 STAINLESS STEEL 316 Ø9.45 OPTION 'R'  
 SEE P100-12 FOR DETAILS TYPICAL TARGET TUBE MOUNTING ARRANGEMENTS

NOTE:- READ INSTALLATION SHEET G000-19 FOR FULL INSTRUCTIONS FOR USE.

**CSA APPROVED TO**  
 Class I Zone 0  
 Ex/AEx ia IIC T4 (Ta= -40 to 80°C)  
 Ui 11.4V, li 0.2A, Pi 0.51W

APPROVED FOR USE IN CONJUNCTION WITH A GALVANICALLY ISOLATED BARRIER.

NOTE: APPROVAL ONLY APPLIES AT NORMAL ATMOSPHERIC PRESSURE!

CONNECTIONS BETWEEN PROBE AND ELECTRONICS MODULE: FOUR WIRES; RED, BLACK, GREEN AND YELLOW, LENGTH: 300, CROSS SECTION: 0.25mm<sup>2</sup>, WIRES POTTED IN PROBE HOUSING. INTERCONNECTIONS MUST BE PROTECTED FROM WATER INGRESS AND STRAIN RELIEVED.

A	FIRST ISSUE.	PDM
B	OPTION 'S' REMOVED - RAN1035.	PDM
C	RANGE WAS 50-600mm RAN1056	RDS
D	TARGET NOTES AMENDED ~ RAN1114	PDM
E	5-CORE OPTION ADDED ~ RAN1102	PDM
F	RANGE NOTE AMENDED ~ RAN1200	PDM



DRAWINGS NOT TO BE CHANGED WITHOUT REFERENCE TO THE CHANGE PROCEDURE. CHANGES TO PARTS USED IN INTRINSICALLY SAFE PRODUCT MUST BE APPROVED BY THE AUTHORISED PERSON. THIS IS AN UNCONTROLLED PRINT AND WILL NOT BE UPDATED.



A	05/07/11		CHECKED BY	X	±0.4
B	29/06/15		RDS	X.X	±0.2
C	9/11/15			X.XX	±0.1
D	18/10/16	DESCRIPTION			
E	11/04/17	G106 IS INT'NAL MOUNTED			
F	30/08/17	CYLINDER SENSOR WITH EXTERNAL ELECTRONICS			
SCALE		DRAWING NUMBER		REV	
10mm		G106-11		F	
		SHEET		1 OF 1	