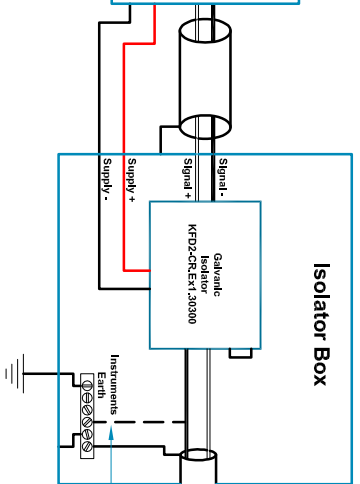
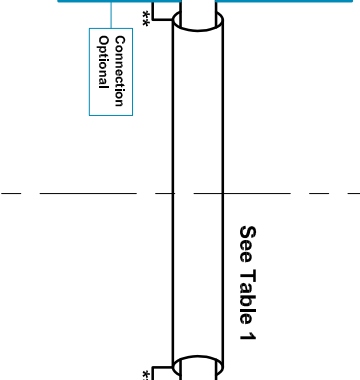


Non-hazardous area apparatus which is unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts DC.

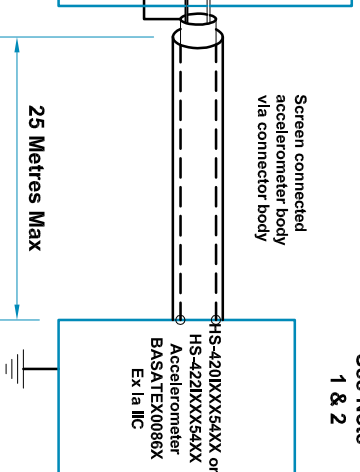
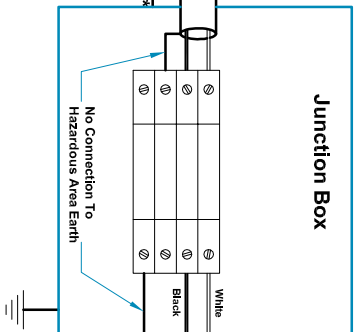
Under normal conditions the potential at the connections to the galvanic isolator must not exceed 40 volts DC.



Non-Hazardous Area



Hazardous Area



See Note 1 & 2

baseefa 08 Y 0 0 8 7



*J.S. Walsh*

**Hansford Sensors Ltd**

HS-4201 & HS-4221  
Accelerometer System  
Baseefa08Y0087  
Ex Ia IIC T6 (-40°C ≤ Ta ≤ +60°C)

Group	Capacitance $\mu\text{F}$	L/R Ratio $\mu\text{H}/\Omega$
IIC	0.096	72
IIB	0.767	277
IIA	2.597	585

**Notes:**

1. The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazardous area cable, must not exceed the values shown in Table 1.
2. The cable from the accelerometer to the junction box must not be installed in a high velocity dust laden atmosphere.
3. The installer is to perform a risk assessment in accordance with clause 10 of EN 60079-25 and install lightning protection arrestors as deemed necessary.

Rev No	DRF No	Date Drg	Drg By	Appd By	Material: N/A
A	Release	31/03/08	MJS	CMH	



**Hansford Sensors Ltd**  
Saunderson Business Park  
Haw Lane  
Saunderson  
Bucks HP14 4JE

**Description:** System Connections For HS-4201 & HS-4221 Group II Accelerometers With Connectors F.U.W. Galvanic Isolation  
**Drawing No:** M06-018-A

Tolerances Unless Stated  
0 or 0.0  $\pm 0.5$   
0.00  $\pm 0.15$   
Angle  $\pm 5^\circ$

$\frac{1.6}{\sqrt{}}$  Finish All Over  
Threads g6 H6

**Do Not Scale**

**Scale:** NTS  
**Sheet:** 1 of 2

**All Dimensions in mm Unless Otherwise Stated**

**If In Doubt - Ask!**

**Form Number:** QF024 Issue 1

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