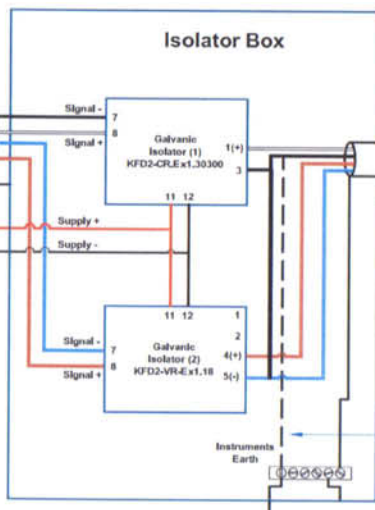
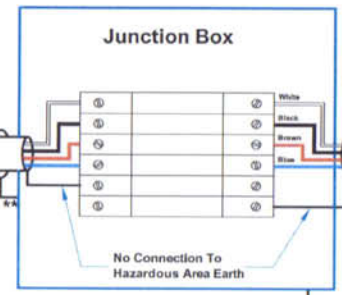


Non-hazardous area apparatus which is unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts DC, under normal conditions the potential at the connections to the galvanic isolator must not exceed 40 volts DC.

Non-Hazardous Area

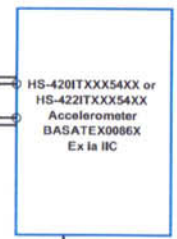


Hazardous Area



See Note 1 & 2

Screen connected accelerometer body via connector body



25 Metres Max

baseefa 08 Y 0087 71



Baseefa Certification Schedule Drawing

DS. Hyslop

Table 1: Cable Connecting The Connector Version

Group	Capacitance μF	L/R Ratio $\mu\text{H}/\Omega$
IIC	0.024	47
IIB	0.247	71
IIA	0.767	429

Hansford Sensors Ltd
 HS-420IT & HS-422IT Accelerometer System
 Baseefa08Y0087
 Ex ia IIC T6 (-40°C ≤ Ta ≤ +60°C)

- Notes:**
- The capacitance and inductance, or inductance - to - resistance ratio (L/R) of hazardous area cable, must not exceed the values shown in Table 1.
 - The cable from the accelerometer to the junction box must not be installed in a high velocity dust laden atmosphere.
 - 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.

- Pin 1 (Brown), Temperature Output
- Pin 2 (White), +VE
- Pin 3 (Blue), Temperature Output (0V)
- Pin 4 (Black), 0V

Rev No	DRF No	Date Drg	Drg By	Appd By	Material: N/A
A	Release	23/06/08	MJS	CMH	

Tolerances Unless Stated
 0 or 0.0 ±0.5
 0.00 ±0.15
 Angle ±5°
 1.6/ Finish All Over
 Threads g6 H6

Hansford Sensors
 Excellence in Vibration Monitoring
 Hansford Sensors Ltd
 Saunderton Business Park
 Haw Lane
 Saunderton
 Bucks HP14 4JE

Do Not Scale
 All Dimensions In mm Unless Otherwise Stated
If In Doubt - Ask!

Description: System Connections For HS-420IT & HS-422IT Group II Accelerometers With Connectors F.U.W. Galvanic Isolation
 Drawing No: M06-023-A
 Scale: NTS
 Sheet: 1 of 2
 Form Number: QF024 Issue 1