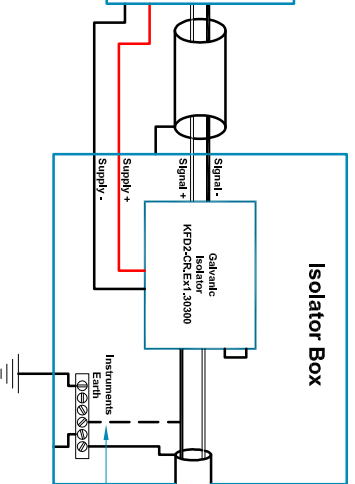


Non-hazardous area apparatus which is unspecified except that it must not be supplied from nor contain under normal or abnormal conditions, a source of potential with respect to earth in excess of 250 volts DC.

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



Non-Hazardous Area

baseefa 08

0 0 8 7

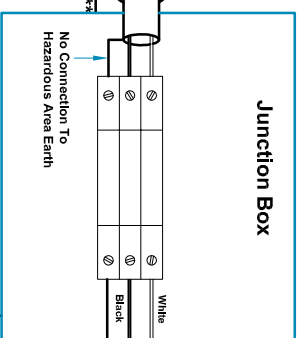


Baseefa Certification Schedule Drawing

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Table 1: Cable Parameters For Additional Cable Lengths		
Accelerometer With Integral Cable Length ≤ 10m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.095	72
IIB	0.766	277
IIA	2.596	585
Accelerometer With Integral Cable Length ≤ 50m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.080	72
IIB	0.751	277
IIA	2.581	585
Accelerometer With Integral Cable Length ≤ 100m		
Group	Capacitance µF	L/R Ratio µH/Ω
IIC	0.062	72
IIB	0.773	277
IIA	2.563	585

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



Hazardous Area

See Note 1 & 2

HS-420XXXX07XX or
 HS-4221XXXX07XX
 Accelerometer
 BASATEX0086X
 Ex ia IIC

**Outer shield only connected to chassis via Ex approved cable gland

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	10/03/08	MJS	CMH	

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

Description: System Connections
 For HS-4201 & HS-4221 Group II
 Accelerometers With Non Armoured
 Silicone Cable F.U.W. Galvanic Isolation
 Drawing No: M06-012-A

Tolerances Unless Stated	±0.5	±0.15	±5°
Threads	g6 H6	1/8" Finish All Over	Threads g6 H6

If In Doubt - Ask!

Scale: NTS
 Sheet: 1 of 2

Form Number: QF024 Issue 1