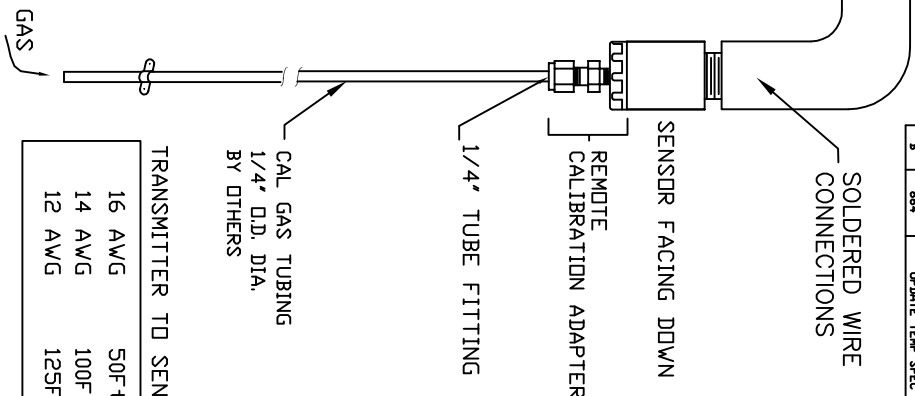
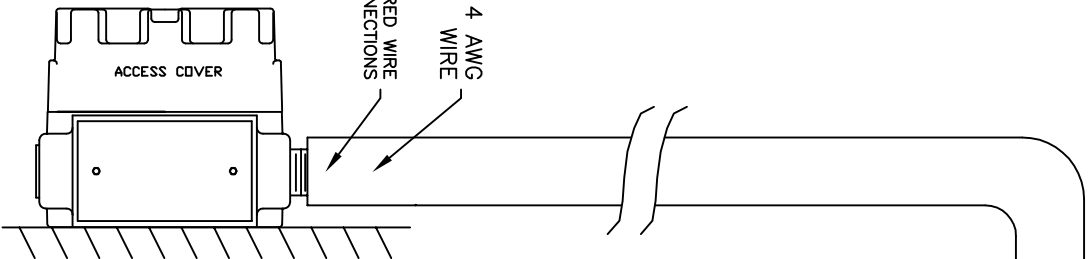
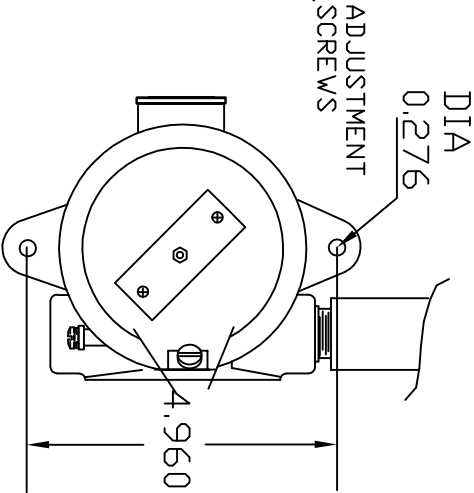
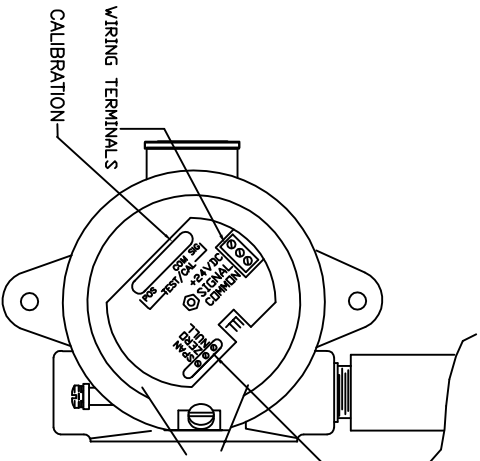
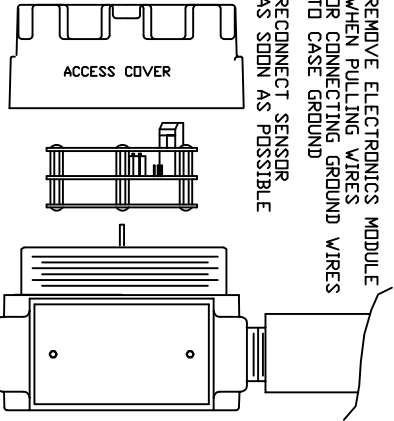
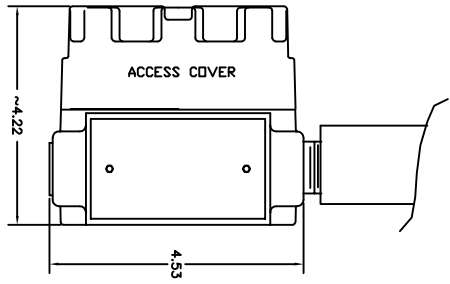


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TRANSMITTER TO SENSOR DISTANCES

16 AWG	50F±	MAX
14 AWG	100F±	MAX
12 AWG	125F±	MAX

MUST BE CALIBRATED AFTER INSTALLATION

REV		DESCRIPTION		DATE		BRN		CHK		APP'D	
A	770	FIRST RELEASE		06-04-26	XY	CDY	XY	XY	XY	XY	XY
B	884	UPDATE TEMP SPEC		08-11-18	CDY	XY	XY	XY	XY	XY	XY

DRN	XY	06-04-26	QUATROSENSE ENVIRONMENTAL LTD									
CHK	CDY	06-04-26	RICHMOND, ONTARIO, CANADA									
DSGN	XY	06-04-26	QTS-1710 SERIES									
APP'D			TRANSMITTER / REMOTE SENSOR									
QA			COMBUSTIBLE GASES (XD-1)									
APPLICATION			INSTALLATION DRAWING									
DIMENSIONS ARE IN INCHES			SIZE	TYPE	DWG NO	28050-412-000	REV					
DIMENSIONS IN MILLIMETERS AND METERS			B	1D			B					
SCALE			FILENAME	SHEET 1 OF 2								

THIS DRAWING CONTAINS INFORMATION WHICH IS THE PROPRIETARY PROPERTY OF QUATROSENSE ENVIRONMENTAL LTD. THIS DRAWING IS RECEIVED IN CONFIDENCE AND ITS CONTENTS MAY NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF QUATROSENSE ENVIRONMENTAL LTD.

REVISIONS			
REV	ECO	DESCRIPTION	DATE
		SEE SHEET ONE	

**SPECIFICATIONS:**

**POWER SUPPLY**

24 VDC (12 to 30 VDC)  
 125 mA maximum current draw  
 80 mA typical

**SIGNAL OUTPUT**

4-20 mA Linear

**MAX. SIGNAL LOAD**

700 Ohms at 24 VDC  
 500 Ohms at 20 VDC  
 200 Ohms at 12 VDC

**OPERATING RANGE (STANDARD)**

0-100% LEL

**SENSOR**

Catalytic bead sensor  
 Poison resistant standard

**ENVIRONMENT**

Temperature: -40°F to 122°F (-40°C to 50°C)  
 Humidity: 0 to 99 % Non-Condensing

**TRANSMITTER/SENSOR MOUNTING**

Methane, Hydrogen and Ammonia:  
 1ft (0.31 m) below ceiling.  
 Other gases: 1 ft (0.31m) above floor  
 Sensor should be mounted vertically  
 with the sensor pointing downward

**CABLE ENTRY**

3/4" DIA Conduit entry hole as shown.

**ENCLOSURE**

Expl. Proof: CL I, Div 1, Gr. A, B, C, D  
 FM, CSA, ATEX Approval

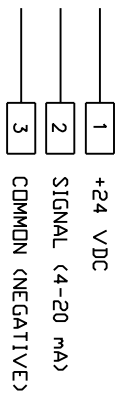
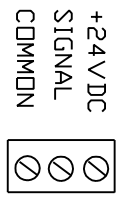
**WIRE**

Connection: Terminal block,  
 Size: Min. 24 AWG (Ø0.51 mm)  
 Size: Max. 14 AWG (Ø1.6 mm)

Relative Response to Flammable Gases

Gas	Lower Explosive Limit LEL	Response Relative to Methane	Methane Multiplier
Acetylene	1.5%	0.57	1.75
Benzene	1.2%	0.40	2.46
Cyclohexane	1.3%	0.45	2.22
Ethanol	3.3%	0.45	2.22
Hexane	1.0%	0.45	2.22
Hydrogene	2.2%	0.95	1.05
iso-Octane	0.95%	0.35	2.86
iso-Propyl Alcohol	2.2%	0.35	2.86
n-Butane	1.8%	0.55	1.82
n-Dctane	1.0%	0.55	1.81
Nonane	0.85%	0.25	4.00
n-Propyl Alcohol	2.2%	0.40	2.50
Propane	2.1%	0.60	1.67

**WIRING CONNECTIONS**



**CALIBRATION RECOMMENDATION**

Every 90 days max.

**STANDARD CALIBRATION**

4-20 mA  
 0-100% LEL CH4

**PAINTING**

When painting in the area, turn unit OFF,  
 seal sensor opening with masking tape.

DRN	XY	06-04-26	QUATROSENSE ENVIRONMENTAL LTD
CHK	CVY	06-04-26	RICHMOND, ONTARIO, CANADA
DSGN	XY	06-04-26	OTS-1710 SERIES
APP'D			TRANSMITTER/REMOTE SENSOR
QA			COMBUSTIBLE GASES (XD-1)
			INSTALLATION DRAWING
DIMENSIONS ARE IN INCHES		SIZE	TYPE
DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS AND SHOWN FOR REFERENCE ONLY		B	ID
		--	DRG NO
			28050-412-000
			REV
			B
			SHEET 2 OF 2