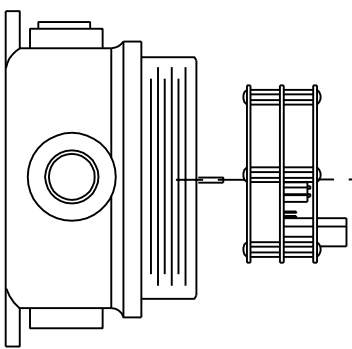
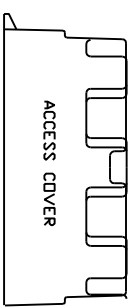
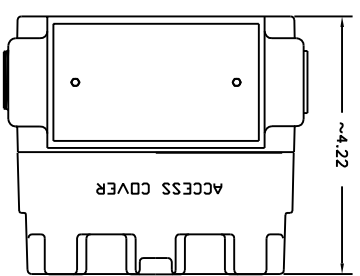
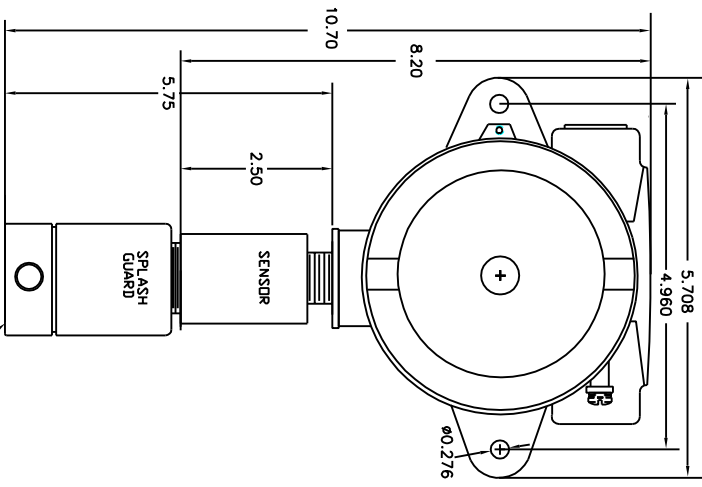


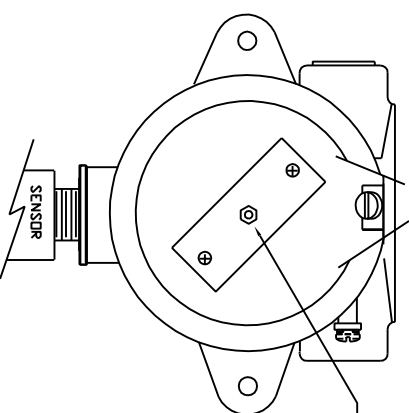
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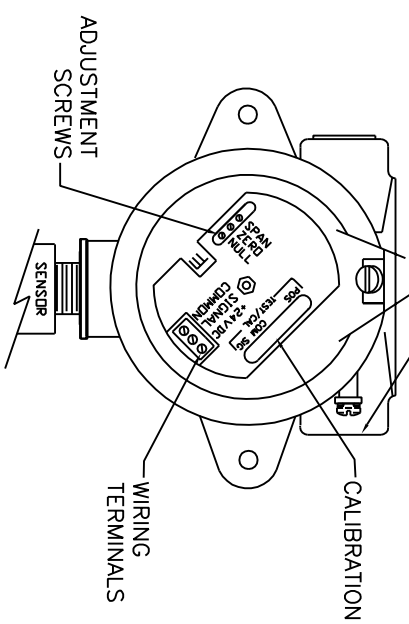
REMOVE ELECTRONICS MODULE
WHEN PULLING WIRES
OR CONNECTING GROUND WIRES
TO CASE GROUND
RECONNECT SENSOR
AS SOON AS POSSIBLE



SPLASH GUARD (OPTIONAL)



ELECTRONICS
MOUNTING POST



THREADED FOR
3/4" CONDUIT

REVIEWS							
REV	ECO	DESCRIPTION	DATE	DRN	CHK	AP'D	
A	770	FIRST RELEASE	06-04-26	XY	CDY	XY	
B	884	UPDATE TEMP SPEC	08-11-18	CLG	XYZ	XYZ	

QUATROSENSE ENVIRONMENTAL LTD				RICHMOND, ONTARIO, CANADA			
DRN	XY	06-04-26		OTS-1710 SERIES			
CHK	CDY	06-04-26		TRANSMITTER/SENSOR			
USON	XY	06-04-26		COMBUSTIBLE GASES (XD-1)			
AP'D				INSTALLATION DRAWING			
QA							
APPLICATION							
DIRECTIONS ARE IN INCHES				TYPE			
DIMENSIONS ARE IN MILLIMETERS AND				B			
SHOWN FOR REFERENCE ONLY				ID			
SCALE --				28050-411-000			
				REV			
				B			
				SHEET 1 OF 2			

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REVISONS				
REV	ECO	DESCRIPTION	DATE	DRN
		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-Octane	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	COV	06-04-26	RICHMOND, ONTARIO, CANADA			
DRN	XY	06-24-26	OTS-1710 SERIES			
APVD	XY		TRANSMITTER/SENSOR			
QA	----	----	COMBUSTIBLE GASES (XD-1)			
APPLICATION			INSTALLATION DRAWING			
DIMENSIONS ARE IN INCHES			SIZE	TYPE	DRG NO	REV
ARE IN MILLIMETERS AND			B	ID	28050-411-000	B
SHOWN FOR REFERENCE ONLY			SCALE	FILENAME	SHEET 2 OF 2	