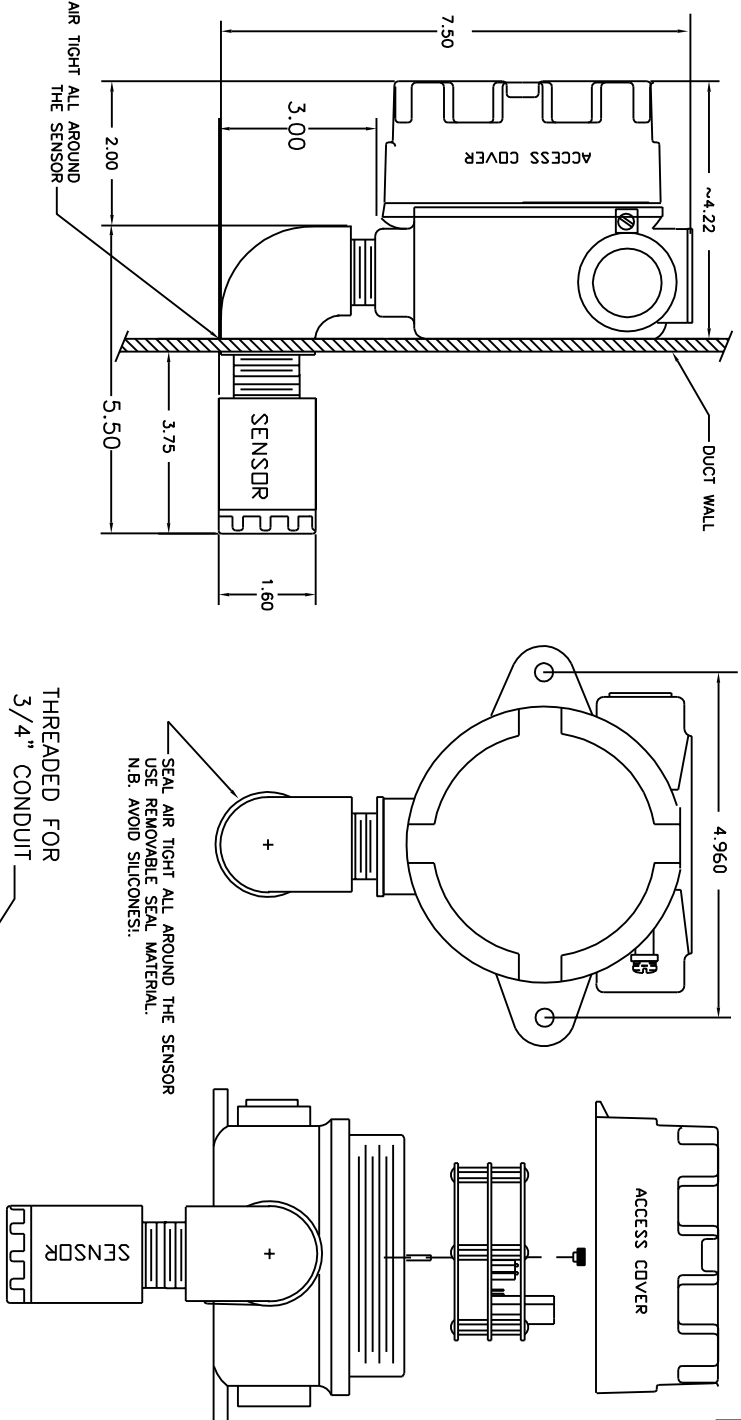
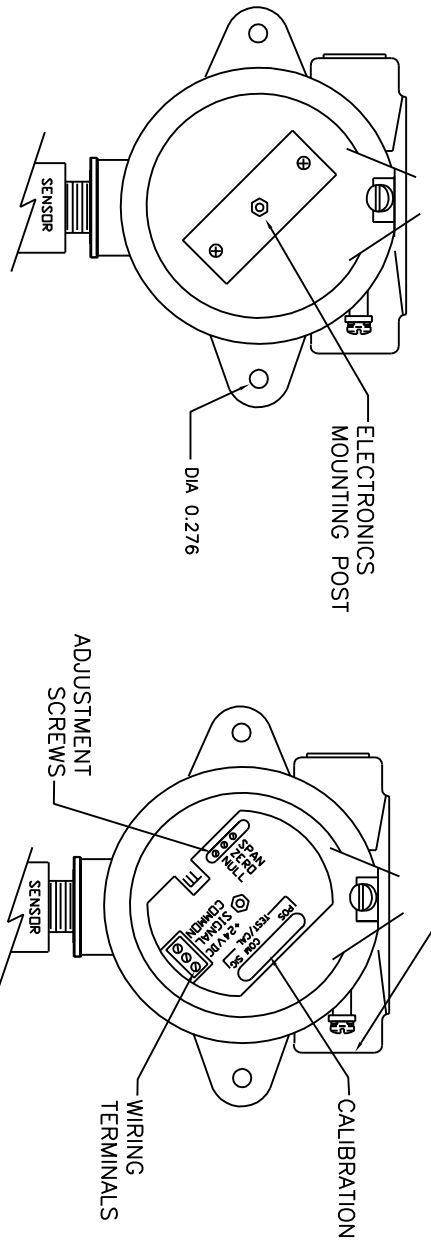


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REV		ECO	770	894
DESCRIPTION	DATE	DRN	CHK	APVD
FIRST RELEASE	06-04-26	XY	CDY	XY
UPDATE TEMP SPEC	08-11-18	CLG	XYZ	XYZ



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



NOTES:
1-MINIMUM DUCT I.D. 4"
2-CONSULT FACTORY FOR VELOCITY GREATER THAN 30KM/HR.

DRN	XY	06-04-26	QUATROSENSE ENVIRONMENTAL LTD	
CHK	CDY	06-04-26	RICHMOND, ONTARIO, CANADA	
DSGN	XY	06-04-26	OTS-1710 SERIES	
APVD	XY	06-04-26	DUCT MOUNT TRANSMITTER/SENSOR	
QA	---	---	COMBUSTIBLE GASES (XD-1)	
APPLICATION	---	---	INSTALLATION DRAWING	
DIMENSIONS ARE IN INCHES			SIZE	TYPE
DIMENSIONS IN PARENTHESES ARE IN MILLIMETERS AND SHOWN FOR REFERENCE ONLY			B	ID
SCALE			--	FILENAME
SHEET 1			OF	2

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REV		ECO		DESCRIPTION		DATE	DRN	CHK	APVD
				SEE SHEET ONE					

REV		ECO		DESCRIPTION		DATE	DRN	CHK	APVD
				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: 1ft (0.31m) above floor
 Sensor should be mounted horizontally or vertically with the sensor pointing downward

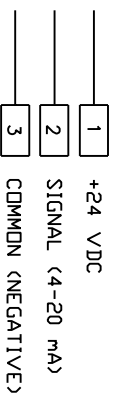
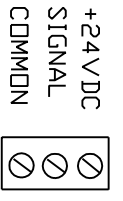
CABLE ENTRY
 3/4" DIA Conduit entry hole as shown.

ENCLOSURE
 Expl. Proof: CL 1, 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)

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	EDY	06-04-26	RICHMOND, ONTARIO, CANADA
USON	XY	06-04-26	
APVD			
QA			
APPLICATION			
DIMENSIONS ARE IN INCHES		SIZE	TYPE
DIMENSIONS ARE IN MILLIMETERS AND SHOWN FOR REFERENCE ONLY		B	ID
		SCALE --	FILENAME
			28050-413-000
			REV B
			SHEET 2 OF 2

OTS-1710 SERIES
 RICHMOND, ONTARIO, CANADA
 DUCT MOUNT TRANSMITTER/SENSOR
 COMBUSTIBLE GASES
 INSTALLATION DRAWING

4 3 2 1