



FCX Wireless Process Solutions

Gas Detection

SolutioNet™101.1

FCX Model ELD-101-H

Model ELD-101-H single point gas emissions sensing and monitoring devices provide reliable and economical emissions data acquisition and transmission in a single, self-contained, self-powered unit. Our patented devices can be used in most atmospheric and submersible environments with operating ranges determined by specific process requirements.

Typical applications for leak detection devices include gas/emission points on equipment such as:

- Pipelines • storage tanks • valves • pumps • seals • tank vents • filling & packaging operations • loading / unloading stations.

Model ELD-101-H can be used to monitor a wide range of gases, including:

- NH₃ • CO
- CO₂ • Cl₂
- H₂S • O₂
- SO₂ • Others

There are many traditional means used to determine leakage and release from valves and safety relief valves, such as rupture discs, pressure, acoustical and temperature measurement devices. FCX gas detection transmitters integrate seamlessly into any of these applications to provide safe and reliable monitoring. Our single point device has a transmitting range of 3/4 mile, which can be extended to 7 miles plus through the use of Intelligent Repeaters.

Specifications

Operating frequency	902-928MHz
Channels	1
Transmission rates	Variable, 5sec fastest
Operating range	3/4mi (expandable to 7miles with Wireless Repeater)
Operating temperature	-40°F to +185°F
Power requirement	3 VDC, Battery Power
Enclosure	PVC tube, 2"x 8 3/4"
Base	316 LSS
Mounting	1/2" MNPT
Weight (without battery)	2.5 lbs.



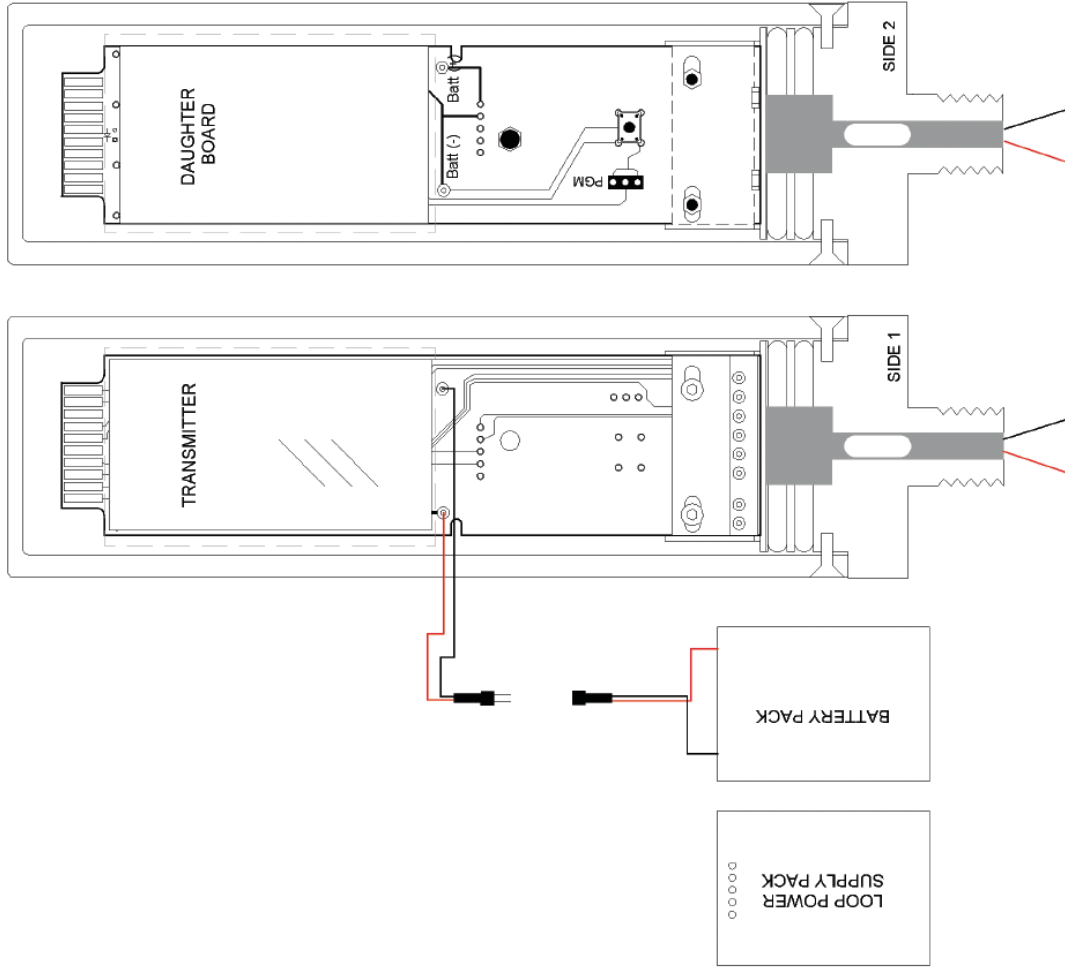
THIS DATASHEET
CONTAINS
PROTECTED
INFORMATION ON
PATENTED
TECHNOLOGY

Hazardous leak detection is critical and can ensure regulatory compliance, employee health & safety, and prevent costly fines

Please refer to test sheets for final parameters

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Specifications for Electronics

- Operating Frequency 902-928 MHz
- Channels 2
- Transmission Rates 5 Seconds+
- Operating Temp -40°F to +185°F
- Humidity 0-95% Noncondensing
- Power Requirement 3 VDC
- Enclosure PVC Tube, 2" x 8-3/4"
- Base 316LSS
- Base Mounting / Connection 1/2" MNPT (other options available)
- Weight (without battery) 2.5 lbs.

Environmental

- Installation Category I
- Pollution Degree II
- Altitude Up to 2000m

										<p>ELD-101-4/20-LP</p> <p>ELD-101-4/20-BP</p>	
										<p>CKD: SW HS</p> <p>APVD: HS</p>	
										<p>SHEET 1 OF 1</p>	
										<p>INITIAL RELEASE PER ER# R0014</p>	
										<p>REV. DESCRIPTION</p>	
										<p>YL 02/14/08 HS</p> <p>BY DATE APVD</p>	
										<p>DRAWING NO.: 101-1800</p>	