

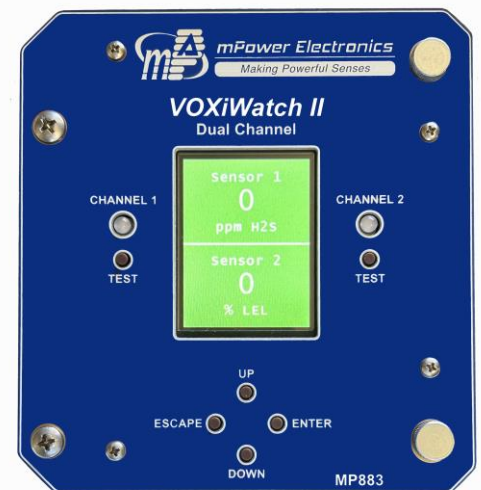
## Workover Rig Monitoring System



The **VOXiWatch II** series continuous gas monitoring system is specifically designed for detection of H<sub>2</sub>S and LEL (combustibles) around temporary workover rigs. **VOXiWatch II** uses our MP883 two-channel controller in NEMA 4X enclosure, outfitted with transmitters for 1 or 2 electrochemical H<sub>2</sub>S sensor(s), or 1 or 2 catalytic bead LEL sensor(s), or one each of H<sub>2</sub>S and LEL. All cable connections are protected by rugged strain relief in an explosion proof enclosure that includes a convenient mounting bracket. The transmitters are equipped with splash/mud guards and are on 25-ft cables. The 50-ft power cable comes with battery clamps for connection to a user-provided 12-24 VDC battery. The **VOXiWatch II** enclosure includes horn and strobe assemblies. Also included are Modbus<sup>®</sup> RTU, common or individual channel relays, and large easy-to-read color display.

### Features, Functions and Benefits

- Brackets to mount enclosure on solid surface
- Large graphic color LCD
- Push-button interface on controller display panel
- One multi-color LED per channel for power, fault, and alarm
- Communication: Modbus<sup>®</sup> RTU
- Two 3-wire 4-20mA inputs from transmitters
- Strobe and Horn relays
- 3 programmable dry contact relays (2 alarms, 1 fault)
- Up to 10 years of events logged
- 50-ft power cable and 25-ft cables for transmitters
- Splash/mud guards for sensor inlets



VOXiWatch II Controller Display

# VOXI Watch II Specifications

## Controller Specifications

Size	6 x 6 x 4 in (152 x 152 x 102 mm)
Weight	5.6 lbs. (2.5 kg)
Enclosure	Polycarbonate NEMA 4X indoor or Outdoor
Mounting	Flat Solid Surface
Main Power	12-24 VDC
Temperature	-4° to 159°F (-20° to 65°C)
Humidity	0% to 95% RH (non-condensing)
Display	2.4-in Diagonal 240 x 320 Pixels. Background color changes with alarm status: green, yellow, red or blue
Channels	Two 4-20 mA channels
Outputs	<ul style="list-style-type: none"> <li>• Strobe and Horn</li> <li>• 2 programmable alarm relays</li> <li>• 1 programmable fault relay</li> <li>• Modbus® RTU</li> </ul>
Event Log	Up to 10 years log of Power on, Calibrations, Alarms, Faults, Peaks
Relay Contact Rating	<ul style="list-style-type: none"> <li>• 30 VDC 5A</li> <li>• 120 VAC 10A</li> </ul>
Power Draw	12 Watts maximum power consumption with two transmitters
Warranty	2 Years on controller



VOXI Watch II System

## Transmitter Specifications

Size	8.9 x 5.9 x 4.9 in (226 x 150 x 125 mm)
Weight	5.7 lbs. (2.6 kg)
Sensors	Catalytic combustion (LEL) and/or electrochemical (EC) H <sub>2</sub> S sensor modules (SO <sub>2</sub> optional)
Calibration	Two-point calibration (zero & span)
Response Time	30 to 120s (t <sub>90</sub> varies with sensor type)
Temperature	-40° to +131°F (-40° to +55°C) -40° to +158°F (-40° to +70°C) intermittent
Humidity	10% to 95% Relative Humidity (non-condensing)
Sampling	Diffusion
Display	4-digit segmented LCD
Configuration	Via remote infrared programmer
Outputs	Analog: 4-20 mA (3 wires)
Housing	Explosion-proof aluminum alloy
Housing Entries	4 Conduit entries 3/4" NPT 1 Port M28x1 fitting
IP Rating	IP-67
Safety Certifications	<b>IECEX</b> Ex db IIC T6 Gb, Ex tb IIIC T80°C Db (LEL) Ex db ia IIC T6 Gb, Ex ia tb IIIC T80°C Db (EC)
Warranty	2 Years on H <sub>2</sub> S and LEL sensors



VOXI LEL Transmitter



VOXI EC Transmitter

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\* Due to ongoing research and product improvement, specifications are subject to change without notice \*

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