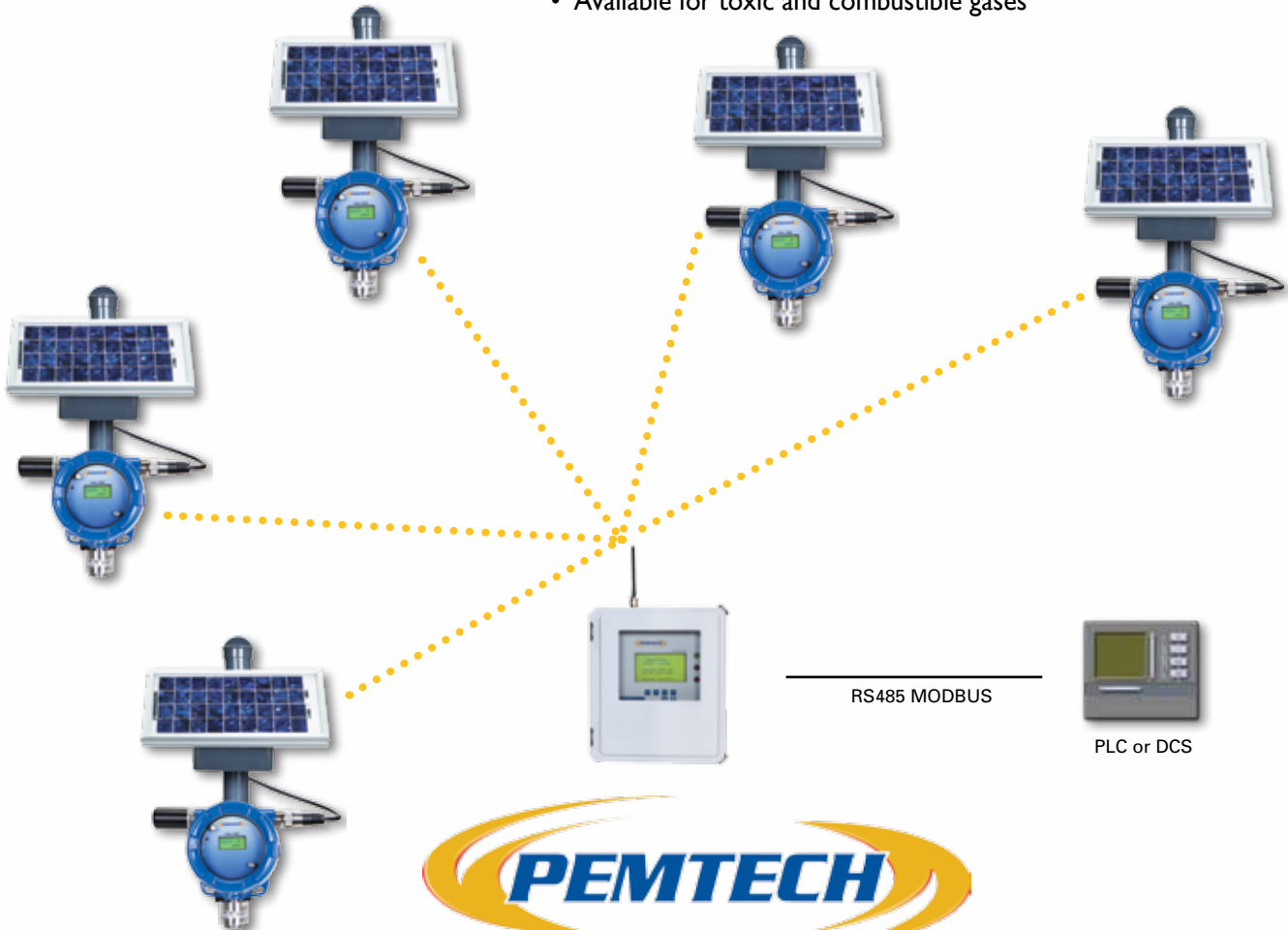


# Ultra 1000 Wireless Sensor



## SOLAR-POWERED STAND ALONE SENSOR WITH INTEGRATED BATTERY CHARGER

- Auto detect network; units come online automatically
- Communicates with PT2008 Series Wireless Monitor or PT800 Series Gateway Bridge
- Explosion proof instrument enclosure with 316 stainless steel detector head assembly
- Easy user-friendly setup
- Single point calibration; menu driven calibration and configuration
- Solar powered with internal NiMH battery and integrated battery charger
- 900 MHz or 2.4 GHz ISM Band
- Complete data communication with Controller including gas reading and diagnostic data
- Available for toxic and combustible gases



# Ultra 1000 Wireless Sensor

SOLAR-POWERED STAND ALONE SENSOR  
WITH INTEGRATED BATTERY CHARGER



ISO 9001:2000

## SPECIFICATIONS

### SENSORS\*

GAS	RANGE
Hydrogen Sulfide	100 ppm
Carbon Monoxide	100 ppm/1000 ppm
Oxygen	25%
Sulfur Dioxide	50 ppm
Combustibles	0 to 100 % LEL

\*Contact manufacturer for other sensors.

### CLASSIFICATION

- Class I, Div I, Hazardous Location
- Explosion proof instrument enclosure with 316 stainless steel detector head assembly

### CALIBRATION

Easy menu driven single point, single person calibration

### RF FREQUENCY

900 MHz or 2.4 GHz ISM Band

### DISPLAY

2 x 8 LC display

### OPERATING RANGE

- 300 meters (line of sight) with dipole antenna
- Up to 17 miles with high gain directional antenna and extended battery pack

### OPERATING TEMPERATURE

- 40 °C to +70 °C → Solid State (MOS) Hydrogen Sulfide
- 40 °C to +70 °C → LEL Combustibles
- 40 °C to +60 °C → Carbon Monoxide, Sulfur Dioxide, Oxygen, Electrochemical H2S

### HUMIDITY

10% to 95% relative humidity, non-condensing

### INPUT POWER

- Solar array 5 watts 6 volts (optional: external 12VDC)
- Also available battery powered with 3.6-volt disposable lithium battery

