



# SMART GAS TRANSMITTER MODEL STX-[ \* ]PA-NRD

- ◆ Stand –alone gas detection unit
- ◆ Characteristic LCD display
  - Gas name & Concentration
- ◆ Local visual alarm
- ◆ A variety of signal outputs
  - 4 – 20 mA analog output
  - Alarm 1 & 2 Relay contacts
  - Fault relay contact
- ◆ System status
  - Low electrolyte of sensor
  - Disconnect sensor
- ◆ DC 24V operation



The STX-[ \* ]PA-NRD Smart Gas Transmitter is completely self-contained detection unit suitable for wide range of hazardous gases.

The unit consists of a sensitive and specific electrochemical gas sensor and combination transmitter with extensive signal output capability. As a result, this fully integrated unit may be used as stand-alone gas detectors as well as remote gas sensors in a centralized life-safety surveillance system.

The unit features user-programmable dual-level concentration alarms, built-in alarm relays, and 4 – 20mA output as a local digital readout and visual alarm indicators.

Equally important, it utilizes a renewable type sensor that requires replacing membrane and electrolyte twice per year at least and will last 3 to 5 years under normal operating conditions.

# Ordering Information

Sensor GS-[ * ]DP	Detectable Gas		Monitoring Range (ppm)			TLV (ACGIH) (ppm)
			Low range	Standard	High	
160	Cl <sub>2</sub>	Chlorine		0 – 1.5	0 – 10	0.5
161				0 – 1		
162				0 – 20		
260	H <sub>2</sub> S	Hydrogen Sulfide	0 – 10	0 – 30		10
261				0 – 3		
360	HCN	Hydrogen Cyanide		0 – 30		C 4.7
361				0 – 3		
480	HCl	Hydrogen Chloride	0 – 5	0 – 15		C 2
780	HF	Hydrogen Fluoride		0 – 9	0 – 50	0.5
2460	NH <sub>3</sub>	Ammonia		0 – 75	0 – 150	25

# Specifications

<b>Transmitter Model</b>	<b>STX-[ * ]PA-NRD</b>
<b>Sensor Type</b>	<b>GS-[ * ]DP</b>
<b>Principle</b>	<b>Electrochemical</b>
<b>Monitoring Configuration</b>	<b>Continuous, single-point</b>
<b>Display</b>	<b>Characteristic LCD</b>
<b>Response Time (T<sub>60</sub>)</b>	<b>Within 30 sec.</b>
<b>Operating Temperature</b>	<b>0 ~ 40 °C (no condensing)</b>
<b>Analog Output</b>	<b>4 ~ 20mA DC</b>
<b>Alarm Levels</b>	<b>A1 : 30% of full scale (adjustable preset level) A2 : 100% of full scale (adjustable preset level)</b>
<b>Capacity of Relay contacts</b>	<b>A1 : SPDT A2 : SPDT Fault : SPDT (fail safe action)</b>
<b>Power Requirement</b>	<b>24V DC(3-wire), 5W</b>
<b>Installation Style</b>	<b>Wall mount</b>
<b>Dimension</b>	<b>125(W) × 230(H) × 75(D) mm</b>
<b>Weight</b>	<b>Approx. 1kg</b>

※We reserve the right to change specifications without notice.

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