

SI-100IM

Multi Channel Gas Monitor for Fixed Gas Detectors



DESCRIPTION

SI-100IM consists of a Main Alarm unit and Alarm display units. From the one main unit, the alarm display unit can be constructed from 1 to 36 units. SI-100IM is designed as DIN type, so the device can be manufactured in the wall mount panel type, stand-alone type, or 19" Rack type according to a user's preference.

KEY FEATURES

- Sophisticated design and simple structure
- 4-digit F.N.D display
- 40 LED bar graph (% , PPM, LEL unit display)
- Fault, 1st, 2nd, 3rd alarm icon
- 40 red arrow LED graph (<) display
- Easy zero and standard gas calibration
- Self diagnosis mode
- Display the frequency of calibration
- Back-up battery installed
- Data recovery function

SPECIFICATION



Model	Main Alarm Unit	Alarm Display Unit
Model No	SI-100IM	SI-100IA
Measuring Range	0-30V FND Digital Display	0.000 to 9999 Digital User Setting
Measuring Display	4Digit FND Digital Display 18 LED Bar Graph, Battery, B/Z Stop (V Unit Display)	4Digit FND Digital Display 40 LED Bar Graph (%, PPM, LEL Unit Display)
Alarm Display	Fault, 1st, 2nd, 3rd Alarm ICON AU01~AU1 (Alarm Unit, Indicating in order)	Fault, 1st, 2nd, 3rd Alarm ICON 40 LED Bar Graph (<)
Alarm Sound	Buzzer 92dB	
Input Signal		4-20mA Full Scale
Output Signal	1st, 2nd, 3rd Relay Dry Contact 12V.DC	Fault, 1st, 2nd, 3rd Relay Dry Contact, 4-20mA, 12V.DC
Accuracy		FND Digital $\pm 1\%$ Full Scale or 1Digit (Whichever is greater)
Alarm Set	Depend on configuration of SI-100IA	1st, 2nd, 3rd Alarm Setting 40 Red Arrow LED Graph (<) Setting
Self Test	Manual Total Reset & HMI	Manual Local Reset
Scan Time	10ms	10ms
Back-Up Battery	Ni-Cd Battery 18V 600mA (3, 6 Channel)	
Operating Power	110/220V.AC 50/60Hz (or 24V.DC)	
Temperature / Humidity	-20°C ~ +60°C, 95%RH	-20°C ~ +60°C, 95%RH
Dimension	Main Channel Card : 40 (W) X 130 (H) X 104 (D)mm	Alarm Channel Card : 40 (W) X 130 (H) X 104 (D)mm
Operating In/Out	RS-485 Modbus (SI-100ICU) Option	
Total Weight & Dimension	3CH : 7.3kg, 6CH : 10kg Wall Mount Panel 3CH : 278.5 (W) X 450 (H) X 115 (D)mm Wall Mount Panel 6CH : 398.5 (W) X 450 (H) X 115 (D)mm	
Option	Built-in light bar	