

# G-TRAN Series 1CH Display Unit [ISG1]

This single channel vacuum gauge display is compatible with all G-TRAN series and CCM series sensors. Enables users to view system status at a glance.



## Features

- ▶ **Compatible with All G-TRAN Series**  
Compatible with all G-TRAN series, and capacitance manometer CCM series.
- ▶ **Control Output Signal**  
3 setpoint output.
- ▶ **Power Input**  
Operates on DC 24V power input (100V AC to 240V AC optional AC adapter)
- ▶ **Output Signal**  
Linear 0 to 10V
- ▶ **Serial Communication Type**  
RS485 communication is standard
- ▶ **Display Unit**  
High visibility LED

- ▶ **DIN Standards**  
Compatible with DIN standards (compact in size of 48 X 96 mm)
- ▶ **Applicable Standard**  
Conforms with CE

## Applications

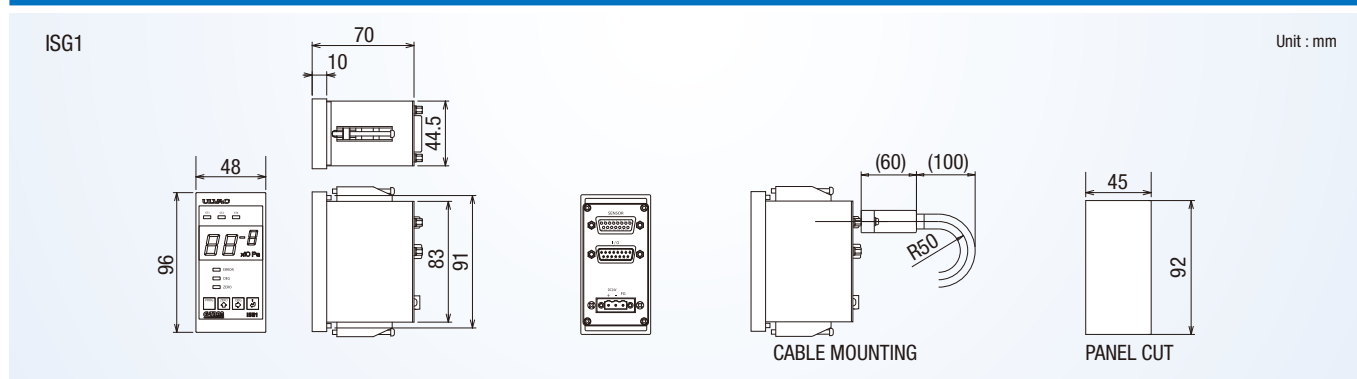
- ▶ Vacuum systems (photovoltaic field, FPD, semiconductor and optics)
- ▶ Systems which require many set points

# G-TRAN Series 1CH Display Unit [ISG1]

## Specifications

Model	ISG1			
Connectable sensor units	1 unit			
Compatible sensor unit	G-TRAN Series Atmospheric range pirani gauge SW1 Cold cathode gauge SC1	Pirani gauge SP1 / BPR2 Multi ionization gauge SH2	Hot cathode gauge BMR2 Ceramic capacitance manometer CCMT-D	
Display	Significant: 2 digit, Exponent: 1 digit digital □.□×10□			
	Scale	Pa		
	Range	Depends on each sensor unit's pressure range		
	Update time	200ms		
	Accuracy	±2% ±1 digit respect to pressure value from measurement unit (CCM series: ±4% digit at below 1/10 of full scale)		
Sampling time	70ms running average in 5 times			
Data output	DC 0 to 10V simulated Log output, Log, linear output *Note: Output differs among each unit			
	Update time	70ms		
	Resolution	1mV		
	Accuracy	±10mV respect to pressure value converted to voltage		
Control input signal	Open collector input, negative logic			
	Filament lighting signal, Atmosphere pressure adjustment etc.			
	Set point 1, 2, 3			
Control output signal	Open collector output, Negative logic [rating: 30V <sub>MAX</sub> , 50mA <sub>MAX</sub> , 70mW]			
	Error signal, Filament lighting signal etc.			
	Set point 1, 2, 3			
Serial communication type	RS485			
LED display	ERROR	SET-1		
	DEG	SET-2		
	ZERO	SET-3		
Power voltage	DC24V±1V Ripple, noise less than 1%			
Current consumption	2W (Display unit only) *other connected unit's consumption will be added			
Input/output connector	Sensor connector: D-sub15-socket (M2.6 screw)			
	I/O connector: D-sub15-pin (M2.6 screw)			
	Power supply connector: PHOENIX: MSTB 2, 5/3-STF, 08			
Operating temperature range	10 to 40°C (50 to 104°F)			
Operating humidity range	15 to 80% (not condensing)			
Weight	250g			
Dimension W×D×H	DIN 48mm×70mm×96mm (JIS rack size 50mm×70mm×100mm is also available)			
Accessories	Power supply connector: PHOENIX: MSTB 2, 5/3-STF-5, 08	1pc		
	DIN panel fixture: Fixture brackets	2pc		
	Instruction manual: Standard paper	1pc		
Option	Sensor connectors: D-sub15-pin (M2.6 screw)	1pc		
	I/O connector: D-sub15-socket (M2.6 screw)	1pc		
Applicable standard	CE			

## Dimensions



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