

## HANDY MANOMETER



## PG-100N series



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PG-100N



## FEATURES

- 3 1/2 digits LCD display
- For compound pressure
- One-touch zero-adjustment
- Selectable automatic power-off (3 min., 20 min. or continuous)
- Pressure unit switching
- Analog output available as option
- Dry battery driven (AAA type)
- CE, UL (To be obtained in Oct., 2009)



- Fluid pressure measurement type to be released by the end of 2009

**PART NUMBER DESIGNATION**

**PG - 100N - 103R - WX1T**

①                      ②                      ③                      ④                      ⑤                      ⑥

① Series name	<b>PG-100N</b>		For non-corrosive gases		
② Rated pressure range	101	10kPa			
	102	100kPa			
	103	1000kPa			
③ Pressure reference	<b>R</b>	Gauge(Compound pressure) / -10~10kPa(101R), -100~100kPa(102R), -100~1000kPa(103R)			
④ Display unit / Switching function	<b>W</b>	Display unit selectable (bar, psi, inch Hg, kPa, Mpa according to the pressure range)			
⑤ Inspection report/ Calibration certificate	Blank	Not attached			
	X1	Inspection report			
	X2	Calibration certificate			
⑥ Traceability system chart	Blank	Not attached			
	T	Traceability system chart			

**LIST OF MODEL NUMBERS**

Pressure reference	Gauge (kPa)		
Rated pressure range	-10~10	-100~100	-100~1000
Pressure medium			
Non-corrosive gases	PG-100N-101R-W**	PG-100N-102R-W**	PG-100N-103R-W**

**STANDARD SPECIFICATIONS**

Item	PG-100N			
General Specifications	Pressure reference	Gauge		
	Part number	101R	102R	103R
	Rated pressure (kPa)	-10 ~ 10	-100 ~ 100	-100 ~ 1000
	Maximum pressure (kPa)	20	200	1500
	Break-down pressure (kPa)	50	500	2000
	Pressure display	-10.00 ~ 10.00	-100.0 ~ 100.0	-100 ~ 1000
	Operation temp. range / Compensated temp. range	0 ~ 50°C		
	Operation humidity	35 ~ 85%RH (No condensation)		
	Storage temp.	-20~70°C (Atmospheric pressure, humidity 65%RH maximum)		
	Pressure medium	Non-corrosive gases		
	Pressure port	M5 female		
	Net weight	Approx. 100g		
Power	Power	2 AAA type dry batteries (Manganese, alkali or nickel hydride)		
	Operating time	Minimum 1000 hours (in use of alkaline battery)		
Display	Display element	LCD		
	No. of digits	Minus signed 3 1/2		
	Display cycle	Approx. 4 times / second		
	Accuracy (0~50°C)	±1~2%FS±2 digits *Depends on rated pressure range		
Analog output	Power supply (External supply)	5±0.5V DC 5mA maximum		
	Output voltage	0 ~ ±1.000V *Proportionate to display value		
	Output accuracy / Resolution	±10mV / 1mV		
	Output resistance	Approx. 10kohm		
	Response	Approx. 10ms		
Attachment	One pc. each of half union (for a tube of 6 O.D.)and barb fitting (for a tube of 4 I.D.), 2 pcs of AAA dry batteries			
*Option (Soled separately)	PG-100N soft carrying case			

# OUTLINE DIMENSIONS

Pressure port M5 female

