

## HANDY MANOMETER



## PG-100N series



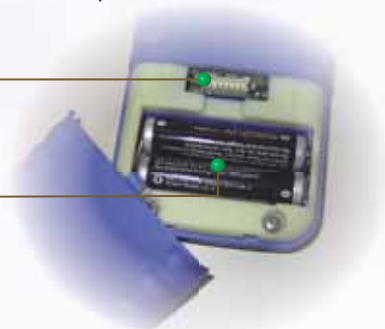
HANDY MANOMETER

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) /<br>-10~10kPa(101R), -100~100kPa(102R), -100~1000kPa(103R)     |                         |  |  |
| ④ Display unit / Switching function          | <b>W</b>       | Display unit selectable<br>(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  |                         |  |  |

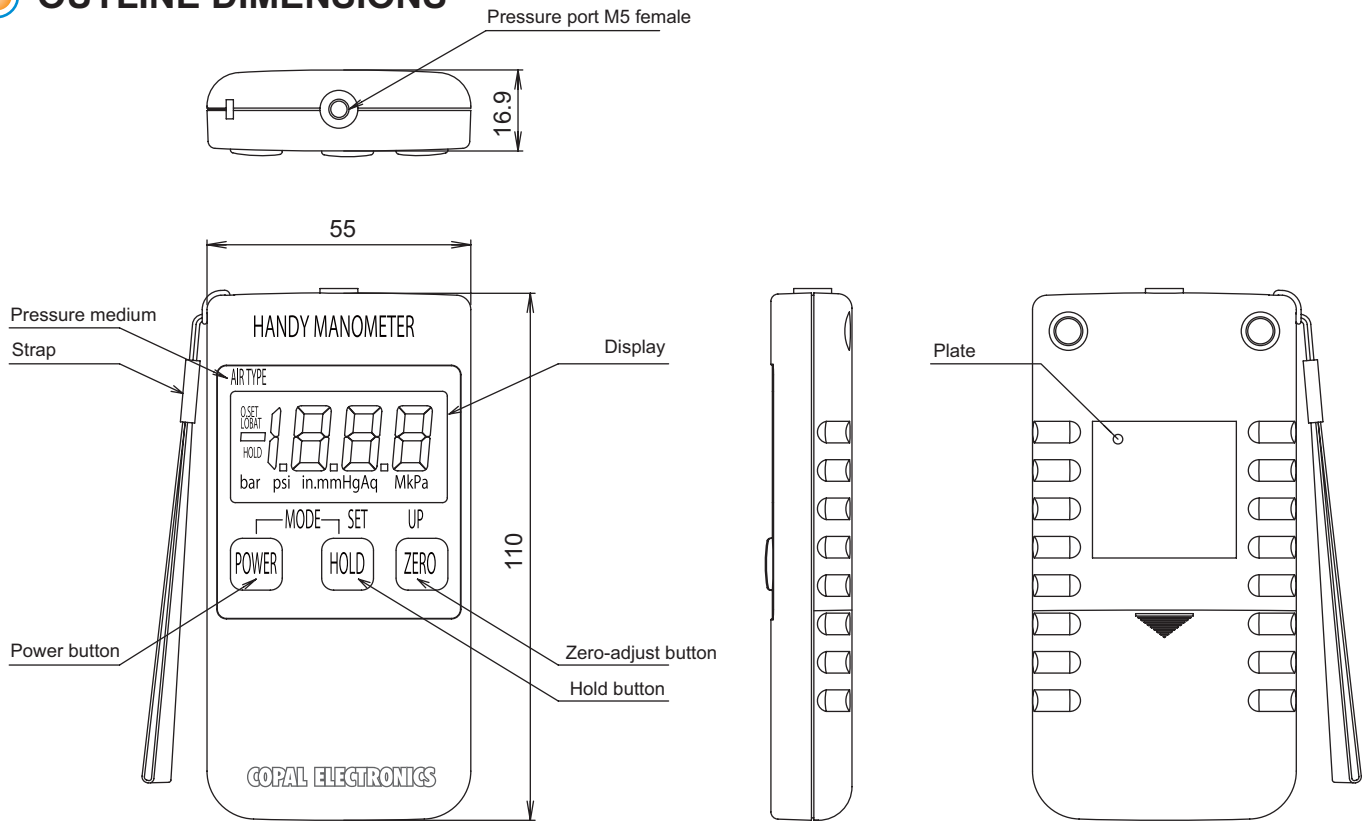
**LIST OF MODEL NUMBERS**

| 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



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