

### High-accuracy fine differential pressure gauge

- Boasting a wide variety, the product is also compatible with airflow rate and speed scales (refer to page 15).
- Easy-to-read wide angle scale (pointer rotation angle of 270°)
- Pipe connection port that facilitates polarity conversion
- Unique mechanism less subject to abnormal high pressure inrush
- High-performance silicone rubber diaphragm with small hysteresis
- Band-link mechanism that prevents the pointer from vibrating



**Model WO81F**  
(surface type)



**Model WO81PC**  
(round panel type)



**Model WO81PR**  
(square panel type)



### Example of selection of memory pointer

\*Memory pointer can be set at an arbitrary position.



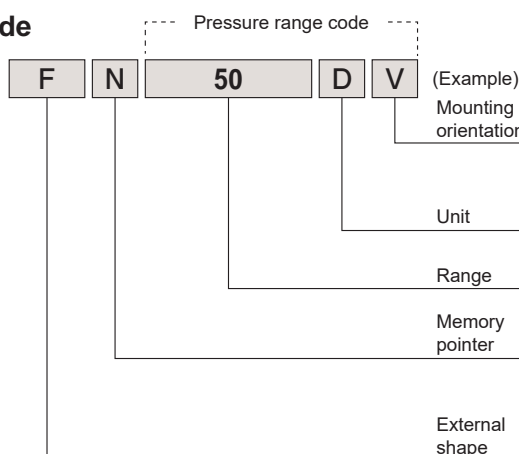
With single memory pointer



With double memory pointers

### Product code

**WO81**



#### <Main application fields>

- Nuclear facilities
- Food-related factory management equipment
- Air-conditioning control equipment in high-rise building
- Hospital and medical facilities
- Automotive manufacturing/semiconductor manufacturing lines
- Control of air discharge pressure from coffee roaster

#### <Usage>

- Room pressure measurement in a clean room
- Detection of clogging of air filter
- Measurement of airflow rate/speed of ventilation/exhaust device and others

\*(Refer to pages 114 to 117)

◆When making an inquiry or placing an order, specify the above product code.

◆For airflow rate/speed meter, refer to page 15.

### Specifications

Model	Main body		Surface type	Round panel type	Square panel type
			F	PC	PR
	Memory pointer		WO81FN	WO81PCN	WO81PRN
	No memory pointer	N			
Single memory pointer (red)	S <th>WO81FS</th> <th>WO81PCS</th> <th>WO81PRS</th>	WO81FS			
	Double memory pointers (one each for red and green)	T	WO81FT	WO81PCT	WO81PRT
Pressure unit Pressure measurement method Pressure-receiving element Measured gas Scale indication angle Operating ambient temperature Operating ambient humidity Instrument body withstanding pressure Exterior material Durable impact Durable vibration	Pa, kPa Differential pressure method  Diaphragm  Air and noncorrosive gas (liquid cannot be measured) Wide-angle indication of approx. 270 degrees  −10℃ to +50℃ (no freezing allowed)  90% RH or below (no condensation allowed)  200 kPa (refer to page 118)  Polycarbonate and polyamide 100 m/s <sup>2</sup> (six times each for three axial directions) 5 to 10 Hz Amplitude of 10 mm, 10 to 50 Hz Acceleration of 39 m/s <sup>2</sup> (two hours each for three axial directions)		Compatible pipe  		

(Note) Accuracy in full span (refer to page 121)

◆ For biased pressure range, the polarity symbol “-” can be indicated for a fee. If the indication is necessary, make a request at the time of order placement.

◆ For use environment, refer to page 118.