

# SPECIFICATIONS

Model	265302	265303	265304
Kind of pressure	Gauge pressure		
Range (accuracy guarantee range)	0 to 130kPa	0 to 700kPa	0 to 3000kPa
	0 to 1.3256kgf/cm <sup>2</sup>	0 to 7.138kgf/cm <sup>2</sup>	0 to 30.59kgf/cm <sup>2</sup>
	0 to 13256mmH <sub>2</sub> O	—————	—————
	0 to 975.1mmHg	0 to 5250mmHg	—————
	0 to 521.9 inH <sub>2</sub> O	0 to 2810 inH <sub>2</sub> O	0 to 12044 inH <sub>2</sub> O
	0 to 38.39 inHg	0 to 206.7 inHg	0 to 885.9 inHg
	0 to 18.85 psi	0 to 101.5 psi	0 to 435.1 psi
	0 to 1300 mbar	0 to 7000 mbar	0 to 30.00 bar
Measurement indication range	-2.5 to 110% of FS		
Accuracy (Horizontally mounted, 23±3°C, zero point adjusted)	±(0.04% of rdg + 0.03% of FS)	±0.1% of FS	
Resolution	0.01kPa	0.1kPa	1kPa
Max allowable input	500kPa	1000kPa	4500kPa
Internal volume	Approx. 2 cm <sup>3</sup>		
Effect of temperature	Zero point	±0.02% of FS/10°C max	
	Span	±0.02% of FS/10°C max	
Effect of mounting direction	±0.1% of FS	±0.02% of FS	±0.01% of FS
Gas leakage	10 <sup>-5</sup> cm <sup>3</sup> /s max		
Measurement fluid	Gas only (non-flammable, non-explosive, non-toxic, non-corrosive)		
Measurement fluid temperature	5 to 50°C		
Pressure sensor	Silicon resonant sensor		
Pressure sensing element	Diaphragm		
Pressure display unit	kPa, kg/cm <sup>2</sup> , mmH <sub>2</sub> O, mmHg, inH <sub>2</sub> O, inHg, psi, mbar(bar)		
Calibration interval	1 year		
Input connection	Rc1/4 or NPT 1/4		
Material of measurement section	SUS316 stainless steel, Hastelloy C276		

## Common Specifications

**Power source:** UM-3 (AA or R6) batteries

Primary battery 1.5 V x four, or secondary battery 1.2 V x four  
[Continuous operation: Approx. 100 hours (when alkaline batteries are used)]

AC adapter (100 to 120/220 to 240 VAC, 50/60 Hz, Output 15 V/1.33 A) (optional)

**Communication:** RS-232-C

Transmission method: Half-duplex transmission brain protocol

Transmission rate: 1200 bits/s

**Display:** LCD display

**Display update interval:** Approx. 0.5 s/update

**Response time:** Approx. 4 s (until the accuracy falls within the accuracy range)

**Other functions:** Comes with data hold function that holds indicated pressure value, and zero adjustment function.

**Warmup time:** 1 minute max

**Insulation resistance:** 500 VDC/20 MΩ or higher (between AC line and case) (when dedicated power kit is used)

**Withstand voltage:** 1500 VAC/minute (between AC line and case) (when dedicated power kit is used)

**Operating temperature/humidity range:** 5 to 40°C, 20 to 80% RH (No condensation allowed)

**Storage temperature/humidity range:** 25 to 70°C, 5 to 95% RH

**External dimensions, mass:** Approx. 72 (W) x 174 (H) x 60 (D) mm, Approx. 700 g (including batteries)

**Accessories:** Carrying case (B9926CZ) x one

UM-3 (AA or R6) batteries (A1070EB) x four

Sealing tape (X9910DG) x one

Wrench (H19) (B9926CW) x one

Monkey wrench (150 mm) (B9926CX) x one

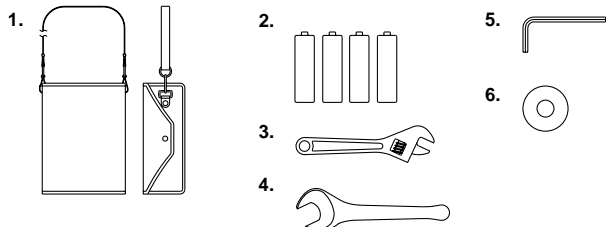
Allen wrench (H2.5) (B9926CY) x one

Instruction manual x one

## STANDARD ACCESSORIES

	Accessory	Part or Model No.	Quantity	Specification(s)
1.	Carrying case	B9926CZ	1	
2.	Alkaline AA-size battery	A1070EB*	4	1.5 V DC
3.	Monkey spanner	B9926CX	1	150 mm
4.	Single-ended wrench	B9926CW	1	H19
5.	Hexagon wrench	B9926CY	1	H2.5
6.	Duct tape	X9910DG	1	
—	User's manual	IM 265301-01E	1	

\* Part no. A1070EB specifies only one AA battery.



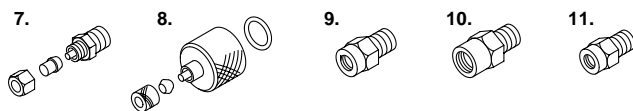
## AVAILABLE MODELS

Model	Suffix code	Description
265302	.....	
265303	.....	
265304	.....	
Pressure display unit *	-U1	kPa
	-U2	kgf/cm <sup>2</sup>
	-U3	mmH <sub>2</sub> O
	-U4	mmHg
	-U5	inH <sub>2</sub> O
	-U6	inHg
	-U7	psi
	-U8	mbar
Input connection	-P1	Rc1/4
	-P2	NPT 1/4 female

\* -U3 cannot be specified for 265303 and -U3 and -U4, cannot be specified for 265304.

## OPTIONAL ACCESSORIES

	Accessory	Part or Model No.	Quantity	Specification Code
—	AC power supply kit	366969	(1)	-D: UL/CSA Standard -F: VDE Standard -R: SAA Standard -Q: BS Standard
7.	Connector assembly (for a vinyl tube with inner diameter of 4 mm and outer diameter of 6 mm)	B9310RR	1	
8.	Simple connector assembly (for a vinyl tube with inner diameter of 4 mm and outer diameter of 6 mm)	B9310ZH	1	
9.	Adapting connector (JIS, R1/4-to-Rc1/8)	G9612BG	1	
10.	Adapting connector (ANSI, R1/4-to-1/8NPT female thread)	G9612BJ	1	
11.	Adapting connector (ANSI, R1/4-to-1/8NPT female thread)	G9612BW	1	



## DIMENSIONS

Unit: mm (inches)

