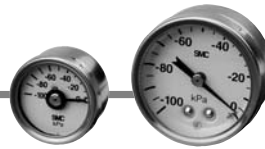
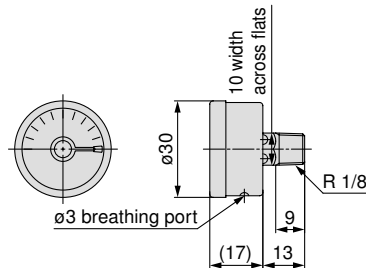


## Pressure Gauge for Vacuum



| Part no.                 | GZ33-K-01     | GZ43-K-01 |
|--------------------------|---------------|-----------|
| Applicable model         | IRV10         | IRV20     |
| Indicated pressure range | -100 to 0 kPa |           |
| Unit display             | kPa           |           |
| Scale range              | 180°          | 270°      |

### GZ33-K-01

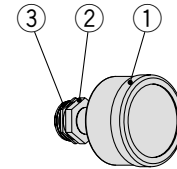


### Pressure Gauge GZ33 Assembly P601010-12

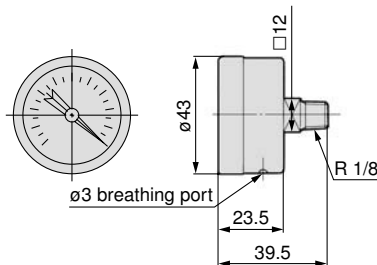
#### Included Parts

| No. | Description    |
|-----|----------------|
| 1   | Pressure gauge |
| 2   | Gauge nut      |
| 3   | O-ring         |

\* 1 to 3 are assembled before shipment.



### GZ43-K-01

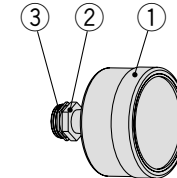


### Pressure Gauge GZ43 Assembly P601020-12

#### Included Parts

| No. | Description    |
|-----|----------------|
| 1   | Pressure gauge |
| 2   | Gauge nut      |
| 3   | O-ring         |

\* 1 to 3 are assembled before shipment.



## 2-Color Display High Precision Digital Pressure Switch



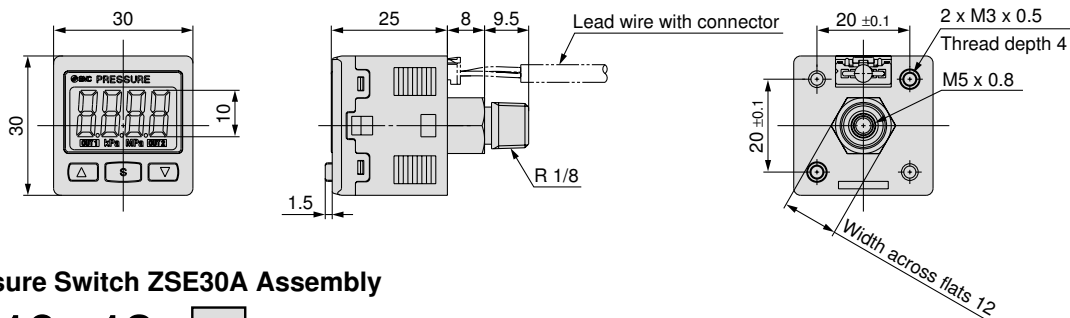
### Part No.

| Part no.                                      | Applicable model |
|-----------------------------------------------|------------------|
| ZSE30A-01-N-ML (NPN open collector 1 output)  | IRV10<br>IRV20   |
| ZSE30A-01-P-ML (PNP open collector 1 output)  |                  |
| ZSE30A-01-A-ML (NPN open collector 2 outputs) |                  |
| ZSE30A-01-B-ML (PNP open collector 2 outputs) |                  |

### Specifications

Refer to SMC catalog CAT.ES100-70 for details.

| Model                    | ZSE30A (Vacuum pressure)                                                               |
|--------------------------|----------------------------------------------------------------------------------------|
| Rated pressure range     | 0.0 to -101.0 kPa                                                                      |
| Set pressure range       | 10.0 to -105.0 kPa                                                                     |
| Proof pressure           | 500 kPa                                                                                |
| Minimum unit setting     | 0.1 kPa                                                                                |
| Applicable fluid         | Air, Non-corrosive gas, Non-flammable gas                                              |
| Power supply voltage     | 12 to 24 VDC ±10%, Ripple (p-p) 10% or less (With reverse connection protection)       |
| Current consumption      | 40 mA or less                                                                          |
| Switch output            | NPN or PNP open collector 1 output, NPN or PNP open collector 2 outputs (Selectable)   |
| Max. load current        | 80 mA                                                                                  |
| Max. applied voltage     | 28 V (With NPN output)                                                                 |
| Residual voltage         | 1 V or less (With load current of 80 mA)                                               |
| Response time            | 2.5 ms or less (With anti-chattering function: 20, 100, 500, 1000, 2000 ms selectable) |
| Short circuit protection | Yes                                                                                    |



### Digital Pressure Switch ZSE30A Assembly

**P601010-13-**  

| Symbol | Digital pressure switch part no. | Digital pressure switch specifications                              |
|--------|----------------------------------|---------------------------------------------------------------------|
| 1      | ZSE30A-01-N-ML                   | NPN open collector 1 output, Lead wire with connector (Length 2 m)  |
| 2      | ZSE30A-01-P-ML                   | PNP open collector 1 output, Lead wire with connector (Length 2 m)  |
| 3      | ZSE30A-01-A-ML                   | NPN open collector 2 outputs, Lead wire with connector (Length 2 m) |
| 4      | ZSE30A-01-B-ML                   | PNP open collector 2 outputs, Lead wire with connector (Length 2 m) |

### Included Parts

| No. | Description             |
|-----|-------------------------|
| 1   | Digital pressure switch |
| 2   | Gauge nut               |
| 3   | O-ring                  |

\* 1 to 3 are assembled before shipment.

