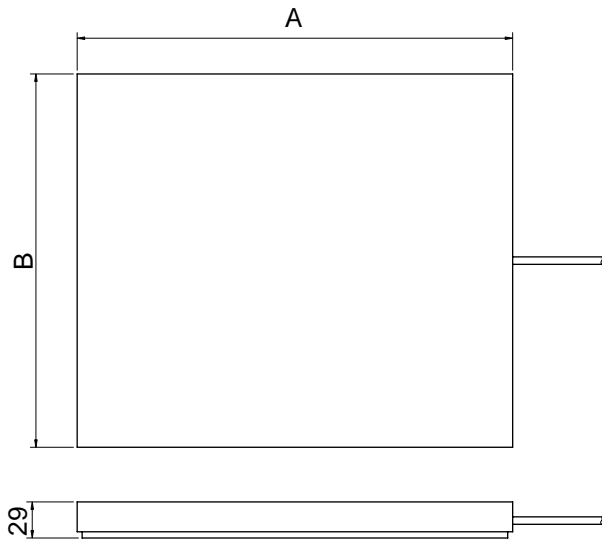


Model PSA Series

Ultra thin Load Cell for
Slim Platform Scale (50Kg ~ 300Kg)



For:

- Gas cylinder weighing
- Industrial weighing applications, especially low profile required

Features

- Low profile
- Rugged stainless steel cover plate
- 200mm x 200mm to 350mm x 350mm platform sizes.

SPECIFICATIONS

| MODEL | PSA | PSAA |
|-------------------------------|---------------------------------------|---------|
| Rated capacity (R.C.) | 50, 100, 200, 300Kg | |
| Rated output (R.O.) | 2.0mV/V ± 5% | 4~ 20mA |
| Non-linearity | < 0.1% R.O. | |
| Hysteresis | < 0.1% R.O. | |
| Non-repeatability | ≤ 0.1% R.O. | |
| Creep error | ≤ 0.05% in 20min. | |
| Zero balance | ≤ 5% R.O. | |
| Compensated temperature range | -10 ~ 40 °C | |
| Operating temperature range | -20 ~ 70 °C | |
| Temp. effect on rated output | ≤ 0.03% LOAD/10 °C | |
| Temp. effect on zero balance | ≤ 0.03% R.O./10 | |
| Terminal input resistance | 840 Ohms ± 15 Ohms | |
| Terminal output resistance | 700 Ohms ± 15 Ohms | |
| Insulation resistance (Min.) | 1000 MOhms at 50V DC | |
| Excitation voltage | 10V (Recommended), 20V (Maximum) | |
| Electrical connection | ∅ 6mm x 5m (22AWG x 4Core Shielded) | |
| Protection class | Humidity protection (Not water proof) | |
| Platform cover | Stainless steel (SUS 304) | |
| Safe overload | 150% R.C | |

ORDERING INFORMATION

PSA - 20 - 50

| MODEL | SIZE | CAPACITY |
|------------------|---------|--------------|
| PSA (mV Output) | 200x200 | 50, 100, 200 |
| PSAA (mA Output) | 250x250 | 300Kg |
| | 300x300 | |
| | 350x350 | |

WIRING INFORMATION

RED : EXC. (+) WHITE : EXC. (-)
GREEN : SIG. (+) BLUE : SIG. (-)
BARE : GND

Dimensions-mm

| Rated Capacity | Size (A x B) | Weigh (Kg) |
|------------------|----------------------|------------|
| 50Kg (0.49KN) | 20 (200mm x 200mm) | 1.0 |
| 100Kg (0.98KN) | 25 (250mm x 250mm) | 1.56 |
| 200Kg (1.96KN) | 30 (300mm x 300mm) | 2.25 |
| 300Kg (2.94KN) | 35 (350mm x 350mm) | 3.06 |

* Specifications are subject to change without notice

JULY.2001