## *PM600 Modules*

Specifications are valid from 15 °C to 35 °C.

**Table 3. PM600 Module Measurement Specifications**

| Model | Absolute Mode Range (SI Units) | Absolute Mode Range (Imperial Units) | Gauge Mode Range [3] (SI Units) | Gauge Mode Range (Imperial Units) | 1-Year Instrumental Uncertainty (% of reading or % FS, whichever is greater) | Precision Uncertainty (% of reading or % FS, whichever is greater) |
|---|---|---|---|---|---|---|
| BRM600-BA100K | 70 kPa to 110 kPa | 10 psi to 16 psi | - | - | 0.01 % of reading | 0.008 or 0.0024 |
| PM600-BG15K | - | - | -15 kPa to 15 kPa | -60 inH2O to 60 inH2O | 0.01 or 0.003 | 0.008 or 0.0024 |
| PM600-G100K | - | - | 0 kPa to 100 kPa | 0 psi to 15 psi | 0.01 or 0.003 | 0.008 or 0.0024 |
| PM600-G200K | - | - | 0 kPa to 200 kPa | 0 psi to 30 psi | 0.01 or 0.003 | 0.008 or 0.0024 |
| PM600-A100K | 6 kPa to 100 kPa | 0.9 psi to 15 psi | -94 kPa to 0 kPa | -13.8 psi to 0 psi | 0.01 or 0.003 [1,3] | 0.008 or 0.0024 |
| PM600-A200K | 10 kPa to 200 kPa | 1.5 psi to 30 psi | -90 kPa to 100 kPa | -13.2 psi to 15 psi | 0.01 or 0.003 [1,3] | 0.008 or 0.0024 |
| PM600-A350K | 10 kPa to 350 kPa | 1.5 psi to 50 psi | -90 kPa to 250 kPa | -13.2 psi to 35 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A700K | 18 kPa to 700 kPa | 2.6 psi to 100 psi | -82 kPa to 700 kPa | -12.1 psi to 100 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A1.4M | 0.035 MPa to 1.4 MPa | 5 psi to 200 psi | -0.065 MPa to 1.4 MPa | -10 psi to 200 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A2M | 0.07 MPa to 2 MPa | 10 psi to 300 psi | -0.03 MPa to 2 MPa | -5 psi to 300 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A3.5M | 0.07 MPa to 3.5 MPa | 10 psi to 500 psi | -0.03 MPa to 3.5 MPa | -5 psi to 500 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A7M | ATM [2] to 7 MPa | ATM [2] to 1000 psi | 0 MPa to 7 MPa | 0 psi to 1000 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A10M | ATM [2] to 10 MPa | ATM [2] to 1500 psi | 0 MPa to 10 MPa | 0 psi to 1500 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A14M | ATM [2] to 14 MPa | ATM [2] to 2000 psi | 0 MPa to 14 MPa | 0 psi to 2000 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |
| PM600-A20M | ATM [2] to 20 MPa | ATM [2] to 3000 psi | 0 MPa to 20 MPa | 0 psi to 3000 psi | 0.01 or 0.003 [1] | 0.008 or 0.0024 |

Notes

1. For PM600s absolute mode modules used in absolute mode, root sum square (RSS) with 0.007 % of FS (reduced to k=1 by square root of 3).

$$\sqrt{\left(\frac{1\ year\ instrumental\ uncertainty}{2}\right)^2 + \left(\frac{0.007\%\ FS}{1.73}\right)^2}\ X\ 2$$

2. ATM is any atmospheric pressure from 70 kPa to 110 kPa (10 psi to 16 psi).
3. For absolute ranges used in gauge mode there is an additional uncertainty of ±14 Pa for dynamic barometric compensation. When combined with uncertainties this changes the PM600-A100K Instrumental Uncertainty to ± 0.015 kPa and the PM600-A200K to ± 0.016 kPa. The threshold uncertainty for the PM600-A350K is changed to ± 0.005 % Span.

## *PM600 Setpoint Range Limits*

**Table 4. PM600 Setpoint Range Limits**

| Model | Native Reference Mode | Minimum Setpoint (SI Units) | Maximum Setpoint (SI Units) | Minimum Setpoint (Imperial Units) |
|---|---|---|---|---|
| PM600-BG15K | gauge | -15.47 kPa | 15.47 kPa | -2.244 psi |
| PM600-G100K | gauge | -2.11 kPa | 105.5 kPa | -0.306 psi |
| PM600-G200K | gauge | -4.22 kPa | 211.0 kPa | -0.612 psi |
| PM600-A100K | absolute | 0 kPa | 105.5 kPa | 0 psi |
| PM600-A200K | absolute | 0 kPa | 211.0 kPa | 0 psi |
| PM600-A350K | absolute | 3.45 kPa | 357 kPa | 0.5 psi |
| PM600-A700K | absolute | 6.89 kPa | 817 kPa | 1 psi |
| PM600-A1.4M | absolute | 6.89 kPa | 1.53 MPa | 1 psi |
| PM600-A2M | absolute | 20.7 kPa | 2.21 MPa | 3 psi |
| PM600-A3.5M | absolute | 20.7 kPa | 3.67 MPa | 3 psi |
| PM600-A7M | absolute | 55.2 kPa | 7.24 MPa | 8 psi |
| PM600-A10M | absolute | 55.2 kPa | 10.06 MPa | 8 psi |
| PM600-A14M | absolute | 55.2 kPa | 14.43 MPa | 8 psi |
| PM600-A20M | absolute | 55.2 kPa | 20.12 MPa | 8 psi |
| BRM600-BA100K | absolute | 65.5 kPa | 113.8 kPa | 9.5 psi |