

Additel Pressure Gauge Selection Guide



| Series Feature | ADT685 Series Digital Pressure Gauge | ADT686 Series Digital Pressure Gauge | ADT673 Series Digital Pressure Calibrator | ADT681 Series Digital Pressure Gauge | ADT680 Series Digital Pressure Gauge |
|---|--|---|---|---|--------------------------------------|
| Gauge Pressure | • | • | • | • | • |
| Compound Pressure | • | • | • | • | • |
| Absolute Pressure | • | • | • | • | |
| Differential Pressure | • | • | • | • | |
| Accuracy Classes | 0.02%, 0.05%, 0.1%, & 0.2%FS & 0.1%RD | 0.02%, 0.05%, 0.1%, & 0.2%FS & 0.1%RD | 0.02%, 0.05%, 0.1%, & 0.2%FS & 0.1%RD | 0.02%, 0.05%, 0.1%, & 0.2%FS & 0.1%RD | 0.05%, 0.1%, & 0.25%FS |
| | 15K psi: 0.05%, 0.1%, & 0.1%RD | 15K psi: 0.05%, 0.1%, & 0.1%RD | 15K psi: 0.05%, 0.1%, & 0.1%RD | 15K & 20K psi: 0.05%, 0.1%, 0.2%FS & 0.1%RD | |
| | ≥ 20K psi & ≤ 40K psi: 0.05%, 0.1% | ≥ 20K psi & ≤ 40K psi: 0.05%, 0.1% | ≥ 20K psi & ≤ 40K psi: 0.05%, 0.1% | >20K psi: 0.1% & 0.2%FS | > 20K psi: 0.1% & 0.25%FS |
| | ≥ 50K psi: 0.1% & 0.2%FS | ≥ 50K psi: 0.1% & 0.2%FS | ≥ 50K psi: 0.1% & 0.2%FS | | |
| Digital Display | • | • | • | • | • |
| Analog Display (Fan-Shaped Indication) | • | • | • | • | |
| Fully Temperature Compensation from -10°C to 50°C | • | • | • | • | • |
| Resolution | | | | | |
| 6-Digit Resolution | | • | • | | |
| 5-Digit Resolution | 5 1/2 | | | • | • |
| Selectable Pressure Units | 11 & 3 customized units | 11 & 5 customizable units | 11 & 5 customizable units | 11 | 19 |
| Backlight | • | • | • | • | • |
| Over Pressure Indication | • | • | • | • | • |
| IS Certification (optional – not available for panel mount) | • | | | • | |
| IP67 Certification | • | • | • | ADT681IS only | • |
| Intrinsically Safe | • | | | ADT681IS only | |
| Panel Mount (optional) Communication | | | | • | |
| Wireless | • | • | • | | 680W only |
| Data Logging | • | • | • | Optional | 680W only |
| Min/Max | • | • | • | • | • |
| Built-in Leak Test | • | • | • | | • |
| HART Communication | | | • | | |
| Measure mA and V | | | • | | |
| 24V Loop Power | | | • | | |
| Switch Test | | | • | | |
| NIST-Traceable Certificate of Calibration | • | • | • | • | • |
| Power | ADT685Ex only support AAA batterie ADT685(AAA batterie & 120/220V adapter is optiona) | Rechargeable battery (120/220V adapter is optional) | Rechargeable battery (120/220V adapter is optional) | 9V battery (120/220V adapter is optional) | 2AA batteries |



Metrology Made Simple

| Series Pressure | Pressure Range | | Media | ADT685 Series Digital Pressure Gauge | ADT686 Series Digital Pressure Gauge | ADT673 Series Digital Pressure Calibrator | ADT681 Series Digital Pressure Gauge | ADT680 Series Digital Pressure Gauge |
|--------------------|----------------|-----------|-------|--|--|---|--|--|
| | psi | bar | | | | | | |
| Gauge | | | | | | | | |
| V15 | -15 to 0 | -1 to 0 | G | • | • | • | • | • |
| GP5 | 0 to 5 | 0 to 0.35 | G | • | • | • | • | |
| GP10 | 0 to 10 | 0 to 0.7 | G | • | • | • | • | |
| GP15 | 0 to 15 | 0 to 1 | G, L | • | • | • | • | • |
| GP30 | 0 to 30 | 0 to 2 | G, L | • | • | • | • | • |
| GP50 | 0 to 50 | 0 to 3.5 | G, L | • | • | • | • | |
| GP100 | 0 to 100 | 0 to 7 | G, L | • | • | • | • | • |
| GP300 | 0 to 300 | 0 to 10 | G, L | • | • | • | • | • |
| GP500 | 0 to 500 | 0 to 35 | G, L | • | • | • | • | • |
| GP600 | 0 to 600 | 0 to 40 | G, L | • | • | • | • | |
| GP1K | 0 to 1K | 0 to 70 | G, L | • | • | • | • | • |
| GP2K | 0 to 2K | 0 to 140 | G, L | • | • | • | • | |
| GP3K | 0 to 3K | 0 to 200 | G, L | • | • | • | • | • |
| GP5K | 0 to 5K | 0 to 350 | G, L | • | • | • | • | • |
| GP10K | 0 to 10K | 0 to 700 | G, L | • | • | • | • | • |
| GP15K | 0 to 15K | 0 to 1K | G, L | • | • | • | • | • |
| GP20K | 0 to 20K | 0 to 1.4K | G, L | • | • | • | • | • |
| GP25K | 0 to 25K | 0 to 1.6K | G, L | • | • | • | • | • |
| GP30K | 0 to 30K | 0 to 2K | G, L | • | • | • | • | • |
| GP36K | 0 to 36K | 0 to 2.5K | G, L | • | • | • | • | • |
| GP40K | 0 to 40K | 0 to 2.8K | G, L | • | • | • | • | • |
| Compound | | | | | | | | |
| CP2 | ±2 | ±0.16 | G | • | • | • | • | |
| CP5 | ±5 | ±0.35 | G | • | • | • | • | |
| CP10 | ±10 | ±0.7 | G | • | • | • | • | |
| CP15 | ±15 | ±1 | G | • | • | • | • | • |
| CP30 | -15 to 30 | -1 to 2 | G | • | • | • | • | • |
| CP100 | -15 to 100 | -1 to 7 | G, L | • | • | • | • | |
| CP300 | -15 to 300 | -1 to 20 | G, L | • | • | • | • | |
| Absolute | | | | | | | | |
| AP5 | 5 | 0.35 | G | | | | • | |
| AP10 | 10 | 0.7 | G | | | | • | |
| AP15 | 15 | 1 | G | | | | • | |
| AP30 | 30 | 2 | G | | | | • | |
| AP50 | 50 | 3.5 | G | | | | • | |
| AP100 | 100 | 7 | G, L | | | | • | |
| AP300 | 300 | 20 | G, L | | | | • | |
| AP500 | 500 | 35 | G, L | | | | • | |
| AP1K | 1K | 70 | G, L | | | | • | |
| AP3K | 3K | 200 | G, L | | | | • | |
| AP5K | 5K | 350 | G, L | | | | • | |



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|---------------------|--------------------|------|-------|--|--|---|--|--|
| | inH ₂ O | mbar | | | | | | |
| Differential | | | | | | | | |
| DP1 | ±1 | ±2.5 | G | • | • | • | • | |
| DP2 | ±2 | ±5 | G | • | • | • | • | |
| DP5 | ±5 | ±10 | G | • | • | • | • | |
| DP10 | ±10 | ±25 | G | • | • | • | • | |
| DP20 | ±20 | ±50 | G | • | • | • | • | |
| DP30 | ±30 | ±75 | G | • | • | • | • | |
| DP50 | ±50 | ±160 | G | • | • | • | • | |
| DP150 | ±150 | ±350 | G | • | • | • | • | |
| DP300 | ±300 | ±700 | G | • | • | • | • | |