Expertise
PTI Technologies Inc. is a world-leading provider of advanced filtration components and fluid control solutions for the global aerospace industry. For more than 75 years PTI has designed and developed indicators used in hydraulic, lubrication, fuel and pneumatic systems for all types of commercial and military aircraft.

Innovation
The PTI engineering team designs indicators to meet exacting customer specifications using state of the art computer aided design and analytical tools. PTI indicators are available in visual, electrical and combination visual/electrical configurations. PTI’s designs feature high holding force which provides superior resistance to inadvertent actuation from shock or vibration and are available with a number of optional features including thermal lockout, surge control and anti-reset. Designed for operating pressures up to 6000 psi (414 bar) and temperatures from – 65° to 400° F (- 54° to 204° C), PTI provides indicators and filtration solutions to meet the most stringent requirements.

Quality
PTI’s quality assurance system provides controls that are invoked at the onset of design and development, and continue throughout all phases of production. PTI Technologies is certified to the latest ISO, TS and AS quality standards.
**Visual Delta-P Indicators**

The PTI visual differential pressure indicator incorporates a red signal button which extends when the differential pressure is exceeded by a factory preset amount. After pressure is removed, the signal button remains in the extended position until it is manually reset.

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**Electrical Delta-P Indicators**

The electrical indicator incorporates a snap acting micro switch in place of the signal button. The circuit can be wired normally open or normally closed. Electrical indicators are available with a variety of mounting configurations and electrical connectors.

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**Electrical / Visual Indicators**

The electrical / visual design combines a micro switch and visual signal button. The switch can be wired normally open or normally closed. A variety of mounting configurations and electrical connectors are available.

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**Low Pressure Indicators**

In applications were low differential pressure is being measured, the sensing piston is replaced with an elastomeric rolling diaphragm assembly. Low pressure indicators detect differential pressures as low as 5 PSID up to 15 PSID.

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**Indicator Styles:**
- D - Diaphragm
- RD - Rolling Diaphragm
- O - O-Ring
- H - Hard Seat
- V - Valve/Bypass
- M - Misc.

**Mounting Configuration:**
- 1B - 1 Bolt
- 2B - 2 Bolt
- 3B - 3 Bolt
- 4B - 4 Bolt
- T1 - 3/4 - 16-3A/2A
- T2 - 7/8 - 14-3A
- BL - Bowl Mounted
- CS - Customer Specified

**Feature Options:**
- EL - Electrical
- EV - Electrical/Visual
- MV - Mechanical/Visual
- A - Anti Reset
- P - Protective Cap
- S - Surge Control
- T - Thermal Lockout

**Fluids:**
- MIL-H-5606 - Air
- MIL-PRF-23699 - Water
- MIL-PRF-7808 - MIL-PRF-87257
- Skydrols (all) - MIL-PRF-83282
- Fuel (i.e. JP4, JP5, JETA)

**Options:**
- Anti-Reset - requires bowl or element removal to reset the visual indicator button
- Protective Cap - covers the visual button to protect it from the environment
- Surge Control - prevents inadvertent actuation due to momentary flow surges or pressure spikes
- Thermal Lockout - prevents inadvertent actuation during “cold system starts”