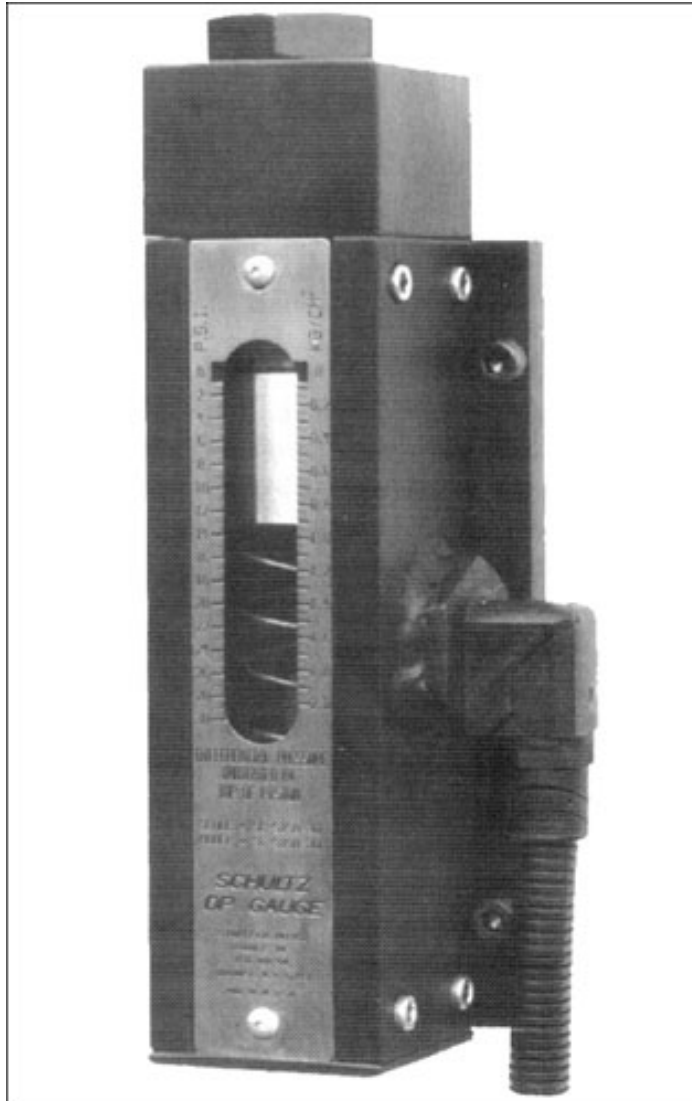


SCHULTZ AUTOMATIC DP GAUGE™



The direct reading differential pressure indicator has all the advantages of the Schultz D/P Gauge, (see Bulletin [95-23](#) for specs). It has the ability to electronically detect, high differential pressure. The high differential pressure alert setting can be easily adjusted in the field.

The system is Intrinsically Safe (*IS), Explosion-Proof and is suitable for use in Class 1, Div 1, hazardous locations as defined in articles 500 and 504 of the national Electrical Code.

*IS = **Intrinsically safe** is an electrical system using power that has been altered from high voltage, to low voltage with the minimum amount of amps required, so as to prevent a spark in a hazardous fuel areas if shorted.

In most applications, installation does not require expensive explosion proof conduit and control enclosures. This unit can be incorporated into a variety of control systems, such as alarm circuits, pump and motor controls, valve actuation systems or a computer interface.

The **Schultz Automatic DP Gauge** uses a sealed, solid state sensor. This a significant improvement over electro-mechanical type switches which are prone to contact corrosion and subsequent signal failure when used in *IS circuits. There is no other device so accurate on the market. The **Schultz Automatic D/P Gauge** systems comes with an 18 month limited warranty.

FEATURES:

- Available in two Ranges:
 - (1) 0-15 psi indication / alert
 - (2) 0-30 psi indication / alert
- Compact design - mounts the same as standard **SCHULTZ D/P GAUGE**
- Stainless steel unit available
- Intrinsically safe - solid state system (FM-Factory Mutual approved)
- Explosion proof for hazardous areas
- Input voltage options of 120 VAC, 60 HZ, 220 VAC 60 HZ, 12 VDC, 24 VDC
- No mechanical switches, magnetic couplings or additional O-rings to fail.
- Control can be configured so alarm is not tripped by gauge calibration procedures or pressure fluctuations. (see API 1581)
- Sensors interface and controls can be up to 5000 feet from gauge

Standard systems consists of a **SCHULTZ AUTOMATIC DP GAUGE** with control barriers and fifty [50'] feet (40 mm), of wire. Gauge is available in Aluminum or Stainless Steel. Input voltage and options must be specified when ordering. Place input voltage value and option letter after part number. Example SC-5150-IS-AL-120vac-A (Aluminum Gauge, 120 vac input. Stainless steel flanges with option A.)

SC-5150-15-IS AL-120VAC - A

PRESSURE OPTIONS:

15 = 0 to 15 psi differential
30 = 0 to 30 psi differential

Intrinsically Safe

METAL OPTIONS:

AL = Gauge made of Aluminum with some Stainless parts.
SS = Gauge made of Stainless with all Stainless parts.

ENCLOSURE OPTIONS:

A = NEMA-4X weather-tight electrical enclosure with reset and system status light for safe area installations.
B = Explosion proof control enclosure with reset and system status light for non-hazards area installations.
C = Dual channel barrier used with deadman system. Typically used on fueling cabinets, refuellers and hydrant carts. (Gauge and Deadman utilizes a common barrier).

POWER INPUT OPTIONS:

120vac = 120 VAC, 60 Hz.
220vac = 220 VAC, 60 Hz.
12 vdc = 12 VDC, Direct Current, (Civilian Vehicle)
24 vdc = 24 VDC, Direct Current, (Military, Special)

WITH SCHULTZ AUTOMATIC DIFFERENTIAL PRESSURE GAUGE, YOU CAN:

