

Watson Smith I/P Converters and Manostats

- High Stability
- Low Maintenance
- Wide range of air supply options
- Intrinsically safe versions available

The Watson Smith family of current to pressure(I/P) , Voltage to pressure (E/P) and precision regulators has led the way in technology in converting 4-20mA and 0-10V electrical signals to pneumatic signals of 0.2 to 1.0 bar and 3 to 15 psi. These devices are mainly used as the final electronic element in many control loops.

[Type 100X](#) for reliability at Low Cost

[Type 140](#) for Hazardous area compatibility

Manostats for precision regulators

WatsonSmith

Coulton instrumentation is proud to be the no.1 distributor for Watson Smith (based in Leeds, LS6 2RT England)

I/P Converters

Electronic I/P Converters

Type 422

Standard models currently in stock!

All electronic I/P converters have closed loop control, excellent vibration resistance, long term stability and can be mounted in any orientation.

4-20mA signal and a range of output variations.

Type 422 Freeze fail I/P converter

- 3-15psi, 3-120psi, 0.2-1bar, 0.2-8bar output options
- High Flow - 280 l/min (10scfm)
- Failfreeze drift rate < 2% setpoint/hour



- IP65 rating
- Type N or Intrinsically Safe options

For price and delivery, please [contact us](#) !

Electro Mechanical I/P and E/P Converters Type 100X

Standard models currently in stock!

Rugged and reliable force balance converters for use in both process control and industrial applications.

Type 100X **Type 101X - Electro Mechanical E/P & I/P**

- 4-20mA, 0-10V; 0-60mA signal options
- Pressure ranges from 3-15psig (0.2-1bar) to 3-120psig (0.2-8bar)
- Two wire or three wire versions (12/24V)
- High Flow - 280l/min (10scfm)
- Weatherproof to IP65
- Intrinsically safe versions available



Electronic I/P Converter Type 140

Standard models currently in stock!

Type 140 I/P Electronic Converter (Failsafe)

Robust, explosion-proof pressure converter with Triple Certification and IP66 & NEMA 4X weatherproofing. With ExN Certification.

For price and delivery, please [contact us](#) !



P/I Converters

P / I Converters

Type 68 P/I Converters

This instrument convert pneumatic pressure into electrical signals for use with data loggers, computers and microprocessors. The Type 68 is a two wire pressure/current device. This use only non-critical power supplies.

- » 4-20mA, 0-10V output
- » Wide range of input pressures
- » DIN rail mounting
- » Intrinsically safe option

List of available models: 680100, 680110, 68043X, 68066X, 681500, 681510, 68151X, 682100, 682110, 683300, 683350, 683500, 683510, 683600, 689610

