



## PRESSURE SOLUTIONS

### P105: Product Range

As reference to our printed product sheet will confirm, pressure is our main business, and over the years, we have built both a reputation plus a knowledge base that is hard to beat.

The following is an expansion of the basic listing.

#### **Pressure Gauges:**

Very few suppliers have the breadth of offering that we have. From Amekai we have the US Gauge/Stronga range of OEM and contractor gauges, ranging from the lowest cost designs up to reasonably good end-user product. We stock mainly the AK410 series which is a good robust throwaway design up to 100mm in diameter. The ex factory prices are excellent, but transport is expensive, so this range is very quantity sensitive when it comes to non-stock pricing.

The Blanes range is known as an excellent quality industrial/process gauge. This is as good as anybody's, and better than most. The Vibragauge is a heavy duty variant which has proven to perform in the most difficult applications.

Various special purpose gauges are available both from Stewart-Buchanan and from Budenberg. These include standard test gauges.

We also do digital pressure gauges. From STI Group, the Psitronix range is basically a digital equivalent of the analogue test gauges, offering 0,25% and 0,1% of scale. The IPI from Jofra is more of a calibrator in a gauge case, with full temperature correction, 0,05% uncertainty and multiple units.

#### **Pressure Switches:**

Our Delta Controls range is probably the best mechanical range available from a technical point of view. Extremes of performance, great flexibility in switch choice, and 4 mainstream product ranges, Classic, Sovereign, Compact and VM, mean that there are very few applications we cannot solve. We do resell the Bailey and Mackey range, which is much simpler and lower cost, and quite adequate for many industrial purposes.

Electronic switches offer much more than mechanical switches, usually in the number of set points coupled with programmable deadband. The Sailors XS2100 does everything, with digital indication, remote transmission, and 4 independently set relay outputs. The Impress range is much cheaper, with single transistor switches.

#### **Pressure Transmitters:**

Again we have a very wide range.

We stock the Sailors fixed range transmitters, which are reasonably low cost, and have zero and span trimming potentiometers enabling them to be kept in good calibration.

Impress do OEM type low cost transmitters which are of fixed range with no adjustment.

Sailors V range is a full process range at very attractive pricing.

Impress xacti is a hygienic range with process capabilities.

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***Products for Pressure Professionals***

Delta do all stainless process transmitters, including HART.

PSM do metal diaphragm LVDT designs which offer extreme robustness and a variety of flush designs with split architecture and submersible ratings.

Impress, PSM and Sailors do submersible designs. We sell Impress to DWAF.

#### **Pressure Calibrators:**

Our main drawback is lack of an IS calibrator. Other than that we have a great range. The Budenberg PPS40 is a portable calibrator with computer compatibility, also available in bench top design as the P or H540.

The Jofra APC is hand held, with multiple ranges possible through the use of external modules (from Mensor), but no existing computer capability, although integration into the Jofracal program is expected soon.

The Jofra CPC is a simple handheld unit with good accuracy and switch test capability.

#### **Pressure Controllers:**

We are not talking regulators here, but calibrators which generate accurate reference pressures. For best performance, the DHB GPC3 for pneumatic operation, and the GPS for hydraulic operation, push the boundaries of performance.

#### **Pressure Standards:**

Here we are talking primary standards, pressure balances. The DHB offering is split into the Industrial range, which is the old Budenberg deadweight tester range, and the Metrology range, which is the old D & H range. Budenberg deadweight testers are proven to be the best buy. They last forever, their specifications are confirmed by local laboratories, they are robustly designed, and well supported with spares and service.

The Metrology range offers the best performance available. These can be found in the NML, along with many other National Standards laboratories around the world, and in many other critical applications, ranging from defence and aerospace though to oil production and automotive electronics.

#### **Accessories:**

The most important of these is the Blanes range of chemical seals. These are wholly designed and manufactured by us, and incorporate many unique features.

Isolating Valves are available in many formats. These are recommended when the plant cannot be shut down to allow the replacement of a pressure gauge.

Siphons are used to protect steam gauges from the high temperature of live steam.

#### **Services:**

We have a fairly comprehensive pressure workshops, with traceable standards from 1.5 kPa up to 60 MPa. We can calibrate and certify most pressure instruments.