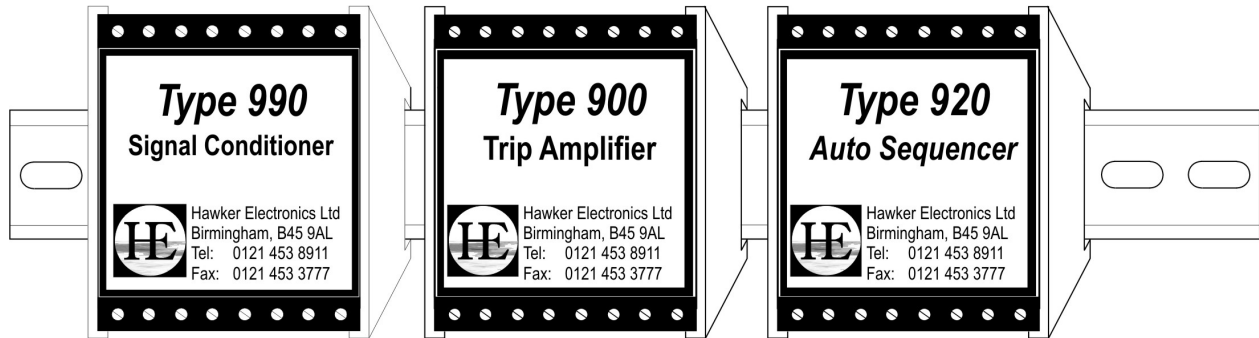




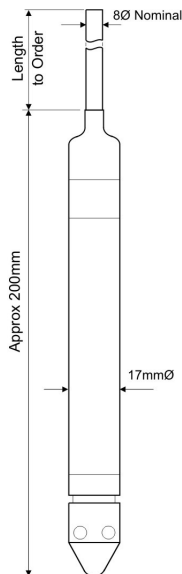
HAWKER

LEVEL CONTROL SYSTEMS

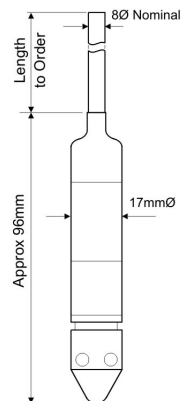
Pressure Transducers and Transmitters for Level Indication and Control Systems



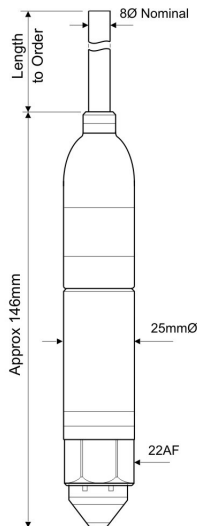
THIS SYSTEM may be used for Boreholes, Reservoirs, Enclosed Tanks, Wet Wells etc, where foaming can occur. Also gases under pressure and many more applications where Ultrasonic and other systems are not suitable. The control units are surface or DIN rail mounted. The 990 Signal Conditioner provides power for either a Transducer or a Transmitter, gives selectable outputs and zero and span adjustments (See Data Sheet No 307). The 900 Trip Amplifier gives two trip points selectable anywhere over the input range (See Data Sheet No 321). The 920 Auto Sequencer controls two pumps on a Duty/Standby or Duty/Assist (See Data Sheet No 322).



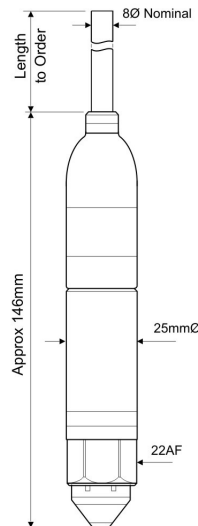
PTX 1830/D
Pressure Transmitter
fully submersible
4-20mA output
±0.1% repeatability
17mmØ
Ideal for Boreholes.
Also
PTX 1830/¼
screw-in type for
external mounting
Titanium body



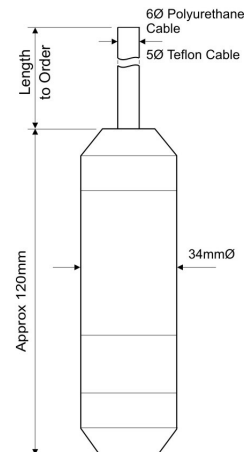
PDCR 1830/D
Pressure Transducer
fully submersible
0-100mV output
±0.15% repeatability
17mmØ
Titanium body



PDCR 5031
Pressure Transducer
fully submersible
0-100mV output
±0.2% repeatability
25mmØ
Ideal for
Boreholes
Also
PCDR 5031/¼
screw-in type but for
external mounting
316L body



PTX 5032
Pressure Transmitter
fully submersible
4-20mA output
±0.2% repeatability
25mmØ
Ideal for
Boreholes
Also
PTX 5032/¼
screw-in type but for
external mounting
316L body



HPTX 23
Pressure Transmitter
fully submersible
4-20mA output
34mmØ
Ideal for aggressive
liquids and chemicals
and waste water

All the above have vented polyurethane cable, which is fitted at works to lengths specified. Temp range is -10°C to +50°C



HAWKER

TECHNICAL SPECIFICATION

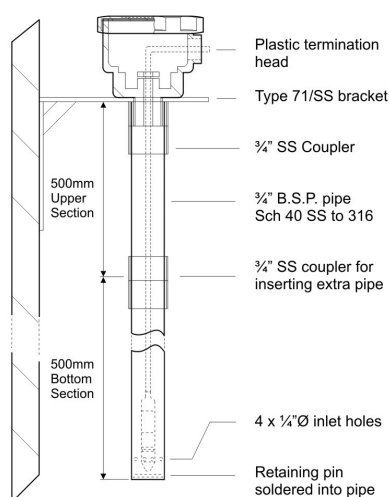
The operating pressures of transducers and transmitters range from 35m bar (0.5 PSI) upwards. They are suitable for liquids which are compatible with their materials of construction. For aggressive liquids, a HPTX23 two wire 4-20mA transmitter (data sheet No 286) or an interposing bubbler system may be employed (see data sheet No 259).

Submersible transducers have the cable sealed in during manufacture and its is necessary to specify the length when ordering. They may be freely suspended but for sewage applications, it is often preferable to incorporate them in a transducer mounting assembly or still well.

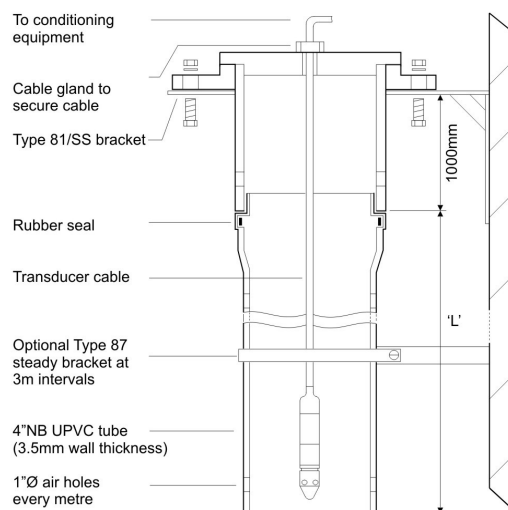
Borehole transducers are often lowered into 1" polythene tube, which is strapped to the rising main so that they can easily be removed. Screw-in transducers for mounting externally to the vessel are normally supplied with 1 metre of cable for connection to a weatherproof junction box (longer cable lengths to special order). Transducers in the lower pressure ratings have a vent tube incorporated in the cable to compensate for atmospheric variations, and if connections are made by weatherproof junction boxes, silica gel should be included to absorb moisture.

Intrinsically safe transducers and transmitters are available for connection, via barriers, to specification EEx iic T4

TYPE 786 TRANSDUCER MOUNTING
and PROTECTOR ASSEMBLY



TYPE 788 STILLWELL ASSEMBLY
for use in SEWAGE etc



'L' = EXTENSION LENGTH
SECTIONS AVAILABLE C/W COLLAR:-
2.0m, 2.5m, 3.0m, or PARTS THEREOF

The 786 Assembly Comprises:-

1. A top SS pipe section, 500mm long c/w mounting bracket and termination head.
2. A bottom SS pipe section, 500mm long with soldered in transducer/ transmitter retaining pin, and liquid inlet holes. The transducer/transmitter fits inside the pipe and can be withdrawn for servicing; extra SS pipe may be inserted between the two sections to attain the length required. If there are turbulent conditions in the tank, a type 85 steady bracket is recommended

786 transducer mounting assembly protects the transducer/transmitter and allows it to be rigidly mounted at a fixed depth in a tank or vessel.

Still wells are an alternative method of protecting and suspending the transducer/transmitter

788 for sewage and those liquids which do not attack UPVC the 788 employs a 4" nominal bore UPVC tube, complete the rubber sealing collar, into which a similar tube can be pushed to give the overall length required. The rubber seal grips the pipe tightly but additional self-tapping screws can be fitted if decided necessary (not supplied).

This product has been designed and complies to the relevant standards as listed in its certificate of conformity. The installer/user must ensure compliance.
The crossed out bin symbol, placed on the product, reminds you of the need to dispose of the product correctly at the end of its life.
Because of continuing development we reserve the right to change the specifications without notice

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FM 10000



BRITISH MADE