

Level Sensor Accessories Druck



STE Sensor Termination Enclosure

This sealed 'junction box' receives the special 'vented' type sensor cable from a Druck sensor and connects to a less expensive, non-vented, proprietary sourced instrument cable. It allows barometric reference pressure to enter the enclosure while providing a block to water/humidity entering and condensing in the assembly.



Introduction

Druck, for many years, has supplied high quality submersible sensors for applications in the worldwide water industry. Recently, Druck has introduced a new range of special accessories to complement both past and present Druck submersible sensors. The accessories provide a complete system solution, easing problems in installation and maintenance.

These new accessories are compatible with the following past and present Druck submersible sensors.

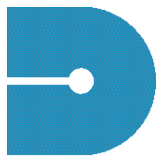
Druck submersible level sensors

PDCR 830	- 17.5 mm titanium sensor
PDCR 1730	- 17.5 mm stainless steel sensor
PDCR 1830	- 17.5 mm titanium sensor
PDCR 35D	- 10 mm titanium sensor
PTX 1730	- 17.5 mm stainless steel sensor
PTX 1830	- 17.5 mm titanium sensor
PTX 530	- 38 mm 316 stainless steel sensor
PTX 630	- 38 mm high accuracy 316 stainless steel sensor
PMP 4030	- 25 mm 316 stainless steel sensor
PMP 317-2780	- 25mm low power sensor

Cable Clamp

In many surface and ground water applications there has been no easy or cost-effective way to hold a sensor cable at the water exit point, until now. This clamp secures a sensor cable and prevents the vent tube in the sensor cable from becoming constricted. The slide mechanism of the cable clamp makes installation an easy task.





SINK WEIGHTS

Many submerged sensor applications require additional weight to prevent incorrect datum reference due to 'cable snake'.

The old solution of strapping lead weights to the cable boot can damage the sensor cable.

Druck's solution attaches sink weights directly to the sensor. These sink weights match the diameter of the sensor and screw into the front of the sensor. Radial holes around the sensing diaphragm area provide accurate measurement with continuous water circulation maintaining cleanliness.



CALIBRATION ADAPTORS

A regular calibration check is essential to meet local or national quality practices. This requires a level sensor to have a known pressure applied and the output measured.

In the field a portable calibrator (see the test equipment below) can be used with one of the new calibration adaptors to carry out a calibration check.



TEST EQUIPMENT

The recommended equipment, listed below and manufactured by the Druck Group, meets the requirements of field calibration checks and system measurements.

DPI 610	Portable Pressure Calibrator (accuracy 0.025% full-scale)
DPI 615	Portable Pressure Calibrator and Data Logger (accuracy 0.025% full-scale)
UPS - III	Loop Calibrator (accuracy 0.01% Rdg)

PARTS LIST

When ordering, please refer to the Accessories Parts List which specifies the part number and price.

ADVICE AND FURTHER DEVELOPMENT

The aim of these new accessories is to help install and maintain Druck level sensors.

If you, our customer, have any queries regarding our products, or if you require other accessories to be developed, contact us on +44 (0) 116 231 7100 or E-mail sales@druck.com.

ACCESSORIES/SPARES

(202-034-01)	STE Sensor Termination Enclosure	(DA4112-1-01)	1830 - 360° Rotable G1/8 Female Pressure Calibrator Adaptor
(600-355-01)	STE Desiccant Silica Gel Can	(DA2537-1-01)	1830 - Economical Direct G1/8 Female Pressure Calibrator Adaptor
(DA2608-1-01)	1830 - Slimline Sink Weight 17.5 mm	(DA2536-1-01)	1730 - Economical Direct G1/8 Female Pressure Calibrator Adaptor
(222-116-01)	1730 - Slimline Sink Weight 17.5 mm	(DA2906-1-01)	Descale Maintenance Kit
(DA4068-1-01)	1830 - Short Sink Weight 25.4 mm	(222-112-01)	1730 - Nose Cone
(222-117-01)	1730 - Short Sink Weight 25.4 mm	(222-127-01)	1830 - Nose Cone
(222-118-01)	Sink Weight for 25.4 mm Radial Holed Products		
(192-373-01)	Cable Clamp System		

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