



# 5xPT

## Pressure Sensor Unit

[innova.no](http://innova.no)

Part number: 5025417

**Intervention systems, ROVs and trenchers are often expanded or upgraded, requiring more functions and more sensors. The 5xPT pressure sensor unit offers 5 extra pressure sensors in the smallest possible volume, and with the simplest possible electrical interface.**

The sensor unit is pressure compensated with its own integrated compensator membrane. The 5 pressure sensors will measure relative to ambient pressure and the pressure sensors can measure water or oil pressures. It can be used in a variety of applications, including monitoring of hydraulic functions, water pumps, and load on cylinders.

All hydraulic connections and the electrical connector are placed in one end. Each pressure sensor is available through a 3/8" MP port (Autoclave), and the electrical signals on a Glenair G5506-2013 Connector.

### Key features

- 5 pressure sensors
- Selection of measurement ranges up to 1000 bar
- Pressure compensated with its own, integrated compensator membrane

## WIRING

Pin 1:	Supply voltage 1
Pin 2:	Output 1
Pin 3:	Supply voltage 2
Pin 4:	Output 2
Pin 5:	Supply voltage 3
Pin 6:	Output 3
Pin 7:	Supply voltage 4
Pin 8:	Output 4
Pin 9:	Supply voltage 5
Pin 10:	Output 5
Pin 11:	PE
Pin 12:	PE
Supply voltage:	12 – 30 VDC

## CONNECTOR

Glenair G5506-2013

## SENSORS

- Accuracy better than  $\pm 0.5\%$  of full scaled (combined line activity, hysteresis and repeatability)
- Pressure range: -1 to 10 bar, 0 to 10 bar, 20 bar, 250 bar, 400 bar, 600 bar, 1000 bar
- Pressure overload: 2x rated pressure
- Burst pressure: 5x or 1580 bar, whichever is less

## MECHANICAL

- Material: AISI 316
- Size (L x W x H): 222 mm x 114 mm x 183 mm (excl. Connectors and fittings)
- Weight in air: ~ 8.5 kg (Without compensation fluid)
- Depth rating: > 3000m (Self pressure compensated)

## HYDRAULIC INTERFACE

0- 1000 bar 3/8" MP F (Autoclave)

