

# PFT Hydrostatic Level Sensor

DS2801



## Features:

- Lightning protection as standard
- Superb chemical and corrosion resistance
- Excellent linearity
- Wide operational & compensated temperature range
- Rugged construction
- Excellent long term stability
- CE compliant



## Description:

The Sensit Trident Series Level/Depth Transmitter is a temperature compensated pressure transmitter designed for the measurement of liquid level in many applications, such as pump testing, reservoir, borehole, river and tank levels. The unit is of welded construction and is ideal for even the most onerous of applications.

## Specification

<b>Pressure Ranges</b>	Available from 1mWG to 200mWG (>200mWG possible, on request). Absolute version available from 5mWG (>5mWG possible, on request).
<b>Power Supply</b>	10 to 32Vdc
<b>Output</b>	4 to 20mA (two wire)
<b>Zero and Span Setting</b>	$\pm 1\%$ of span
<b>Non Linearity, Hysteresis &amp; Repeatability (NLH)</b>	$< \pm 0.25\%$ of span
<b>Compensated Temp</b>	0°C to 60°C
<b>Operating Temp</b>	-10°C to 60°C
<b>Thermal Effects</b>	Zero: $< \pm 0.015\%$ span/°C Span: $< \pm 0.015\%$ reading/°C typical
<b>Safe Over-range</b>	1.5 x rated range minimum
<b>Burst Pressure</b>	3 x rated range minimum
<b>Long Term Stability</b>	0.1% span/12 months
<b>EMC Protection</b>	Compliant to latest EMC standards
<b>Electrical Connection</b>	PUR vented cable
<b>Wetted Materials</b>	316L stainless steel, alumina ceramic, polyurethane, acetal and Viton O-ring

## Options

- Materials: duplex stainless steel
- O-ring materials: nitrile, others available
- Output: active mV/voltage
- Calibrated ranges: bar, psi or liquid depth (SG to be specified)
- NL&H :  $< \pm 0.1\%$  of span
- Intrinsically safe to EEx ia IIC T4 (mA only)
- Cost effective stainless steel gland



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## General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

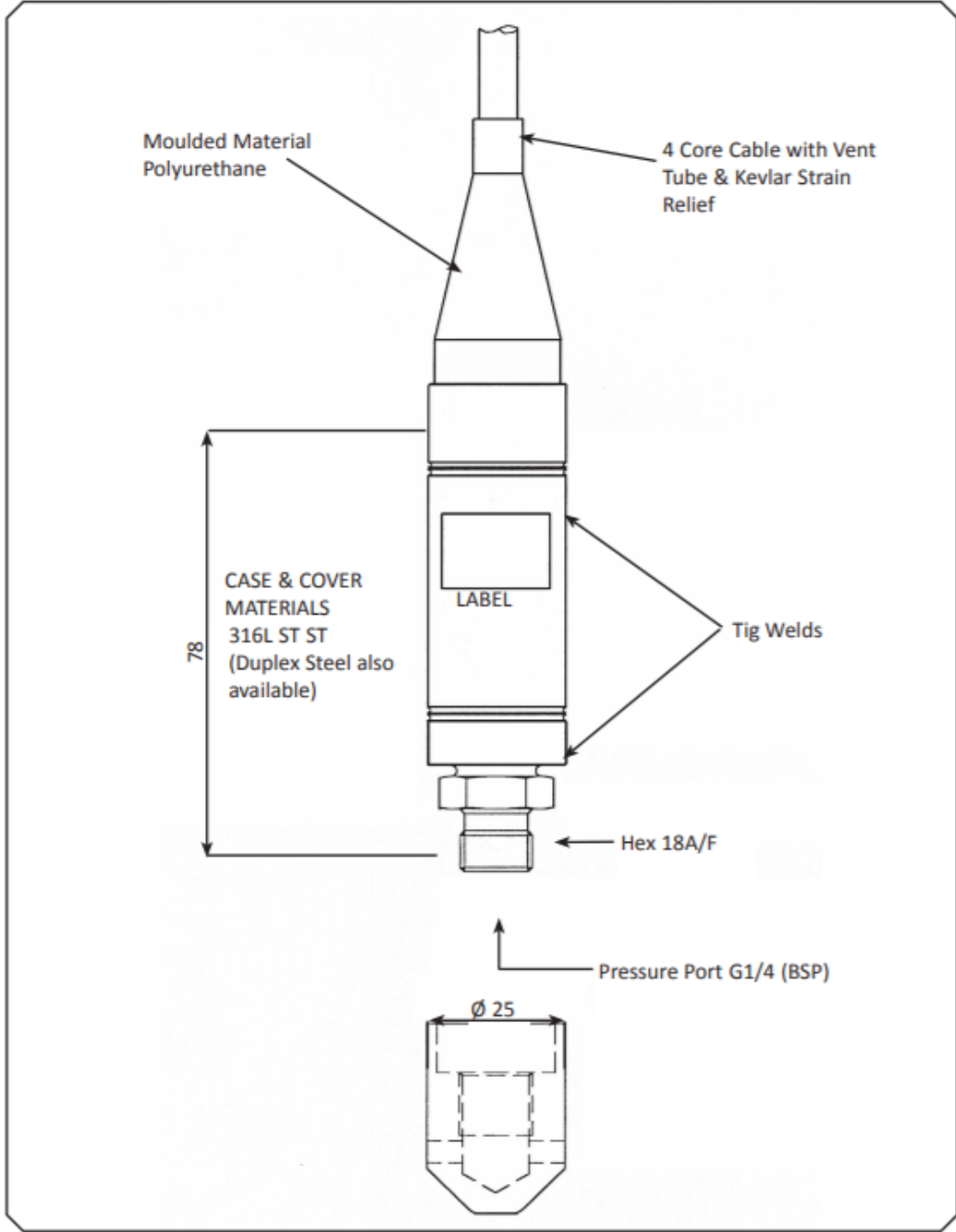
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## Dimensions (mm)



Submersible transducers and transmitters must be installed to the RM&C recommended method, please contact the Bramley sales office on +44 (0)1256 884900 for details

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