The PR3440 submersible depth and level transmitter has been designed for the accurate measurement of the depth and level of fluids. Standard version has output signal of 4-20mA, two wire. Options include; outputs of 0-5Vdc and 0-10Vdc.

For submersion in aggressive or corrosive liquids the PR3440 is available in specialist materials such as Inconel 625, Hastalloy C, titanium and plastic. The standard depth transmitter is fitted with a stainless steel nose cone to reduce sludge build-up. The nose cone connection may be replaced by a variety of threaded process connections common in sub-sea requirements. Standard applications include reservoir and borehole level monitoring, water mains pressure metering, power level and outlet pressure on submersible pumps. Electrical connection is via a screened cable protected by a tough nylon pressure tight sheath, which allows excellent trouble-free venting to the surface.

An optional ATEX certified version of this product is available approved for explosion protection for flammable gases (zone 0), dusts (zone 20) and mining areas (group I M1).
**SPECIFICATION**

**PRESSURE REFERENCE**
Vented gauge

**OVERPRESSURE**
Pressure can be exceeded by up to 2x full scale range with no damage or change in calibration greater than ±0.5%FS.

**OUTPUT SIGNAL**
4-20 mA (2 wire configuration).

**ZERO OFFSET AND SPAN TOLERANCE**
±0.16mA

**SUPPLY VOLTAGE**
13-36Vdc
Minimum supply to transmitter circuit is 13Vdc. Voltage drop in connecting lead due to cable resistance must be considered. See load driving capability chart below.

**PROTECTION OF SUPPLY VOLTAGE**
Protected against supply voltage reversal up to 50Vdc

**LOAD DRIVING CAPABILITY**
For power supply voltages 13-36Vdc

**ACCURACY (NON LINEARITY, HYSTERESIS & REPEATABILITY)**
± 1.00 % FS Typical max. Best fit straight line.

**PRESSURE MEDIA**
All fluids compatible with 316L stainless steel housing, alumina diaphragm, nylon cable sheath and nitrile o-ring seal.

**OPERATING TEMPERATURE RANGE**
Operating: -20°C to +60°C
Media must not freeze around sensor
Storage: +5° C to +40°C

**TEMPERATURE EFFECTS**
±2.0%FS total error band for -20°C to 60°C.
Typical thermal zero and span coefficients ±0.03%FS/°C

**ATEX APPROVAL**
Ex II 1 G Ex ia IIC T4 Ga (zone 0)
Ex II 1 D Ex ia IIIC T135ºC Da (zone 20)
Ex I M 1 Ex ia I Ma (group I M1)

**ATEX SAFETY VALUES**
Ui = 28V
Ii = 119mA
Pi = 0.45W
Li = 0.1
Ci = 62NF
Temperature range = -20°C to +70°C
Max. cable length = 105m

**ELECTROMAGNETIC-COMPTIBILTY**
Emissions EN61000-6-4
Immunity EN61000-6-2
Certification CE marked

**PRESSURE CONNECTION**
Stainless Steel nose cone with radial pressure inlets.

**ELECTRICAL CONNECTION**
Red + supply
Blue 4-20mA signal
Screen to case

**DIMENSIONS (in mm)**

**ORDERING INFORMATION**

**PRESSURE CONNECTION**
Protective nose cone

**ELECTRICAL CONNECTION/OPTION**
Nylon sheathed vented cable, 4-20mA 2 wire
Nylon sheathed vented cable, 0-5Vdc 4 wire
Nylon sheathed vented cable, 0-10Vdc 4 wire
Nylon sheathed vented cable, 4-20mA 2 wire ATEX

**PROCESS CONNECTION**
Protective nose cone

**EXAMPLE**
Base Model
Nylon sheathed vented cable, 4-20mA 2 wire
Pressure range 0-20mWG
Protective nose cone
Cable length 25 metres
Correct Part Number PR3440-0020AX-025

For options not listed contact sales team

**DISCLAIMER**
ESI Technology Ltd operates a policy of continuous product development. We reserve the right to change specification without prior notice. All products manufactured by ESI Technology Ltd are calibrated using precision calibration equipment with traceability to international standards.