



- **High Stability and Repeatability**
- **All Stainless Steel Housing**
- **Resistant to High Voltage Surges**
- **4-20mA Two-Wire Output**
- **Zero + Span Adjustment On-site**
- **Ranges 0-1mtr to 0-500mtr**
- **Internally Vented Cable**
- **Moulded Polyurethane Cable**

DESCRIPTION

The PX3441 25mm diameter submersible transmitter has been designed for the accurate measurement of the depth and level of liquids.

The standard model features an output signal of 4-20mA, but 0-100mV, 0-5Vdc and 0-10 Vdc output versions are also available. There is also the option of a remotely mounted amplifier with zero/span adjustment.

The standard depth transmitter is fitted with a stainless steel nose cone to prevent sludge build-up.

The PX3441 transmitter is designed to measure depth and level in bore holes. Applications include reservoir level, borehole fluid level, water mains pressure inspection chambers, power level, outlet pressure on submersible pumps.

Electrical connection is via a tough polyurethane screened cable. The cable is vented internally and has Kevlar re-inforcement for high tensile strength. The cable is moulded to the transducer housing making the transmitter rugged and reliable and secure from leakage or condensation. The cable can be provided in continuous lengths of up to 500 metres. .



PX3441 Submersible Depth Pressure Transmitter

SPECIFICATION

INPUT
 Pressure range..... 0-1 mtr wg to 0-500 mtr wg
 Pressure reference..... Vented to atmosphere
 Over pressure..... 2 x Rated pressure

OUTPUT
 Span.....4-20 mA.
 Type2 wire.

ACCURACY
 Zero offset<:t 1% FSO.
 Span error<:t 1% FSO
 Linearity / hysteresis.....<:t 0.3% FSO up to 10 mtr
 Repeatability.....<:t 0.1% FSO
 Long Term stability<:t 0.2% FSO /6 months

ELECTRICAL
 Supply Voltage..... 13-36Vdc
 Supply vOltage effects3u A/V
 Reverse polarityProtected
 Load driving capability.....1150Q@36vdc
 Output short circuit (to ground).....No Damage

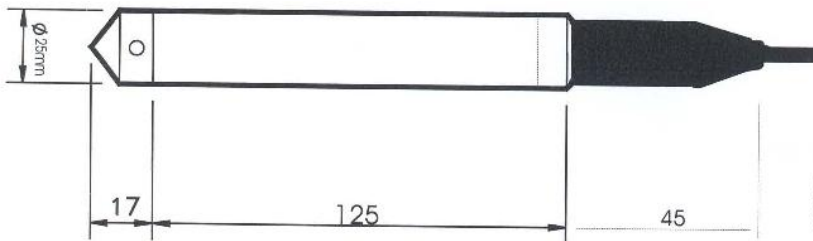
Insulation resistance 100MQ @ 100Vdc elec conn to case
 Response time (63%)..... 1.5mS
 Adjustmenl:t10%FSO Zero and Span

ENVIRONMENTAL
 Pressure Media Compatible with 316L +304 St/Steel
 Operating Temperature range -20 to +80.C
 Storage temperature range -40 to +90.C
 Thermal effect zero<:t0.03% FSOrc
 Vibration tolerance 10g's to 50Hz
 Mechanical shock tolerance 15g@s (11mS)
 Operating Humidity 100% RH

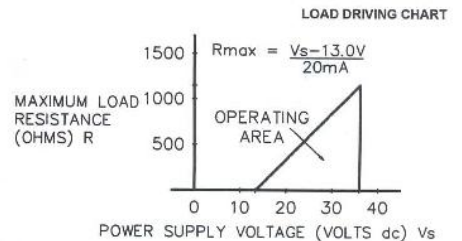
PHYSICAL
 Electrical Connection Via Screened PU cable internally vented.
 Enclosure rating IP69
 Natural frequency 10 KHz (min)
 Weight..... PX3441 = 705g
 Materials 300 series stainless steel body/connector 316L diaphragm, nitrile seal

Dimensions/Mounting

Bore Hole PX3441



ALL DIMENSIONS ARE IN MILLIMETRES



Order Details

State model number and pressure range required:-
 ie PX3441 0-10 mtr

Model number	Description
PX3441	Submersible Transmitter 0-1 to 0-500 mtr

PRESSURE RANGES

0 - 1 mtr wg	0 - 20 mtr wg
0 - 2 mtr wg	0 - 30 mtr wg
0 - 3 mtr wg	0 - 50 mtr wg
0 - 5 mtr wg	0 - 100 mtr wg
0 - 10 mtr wg	0 - 250mtr wg
0 - 15 mtr wg	0- 500 mtr wg