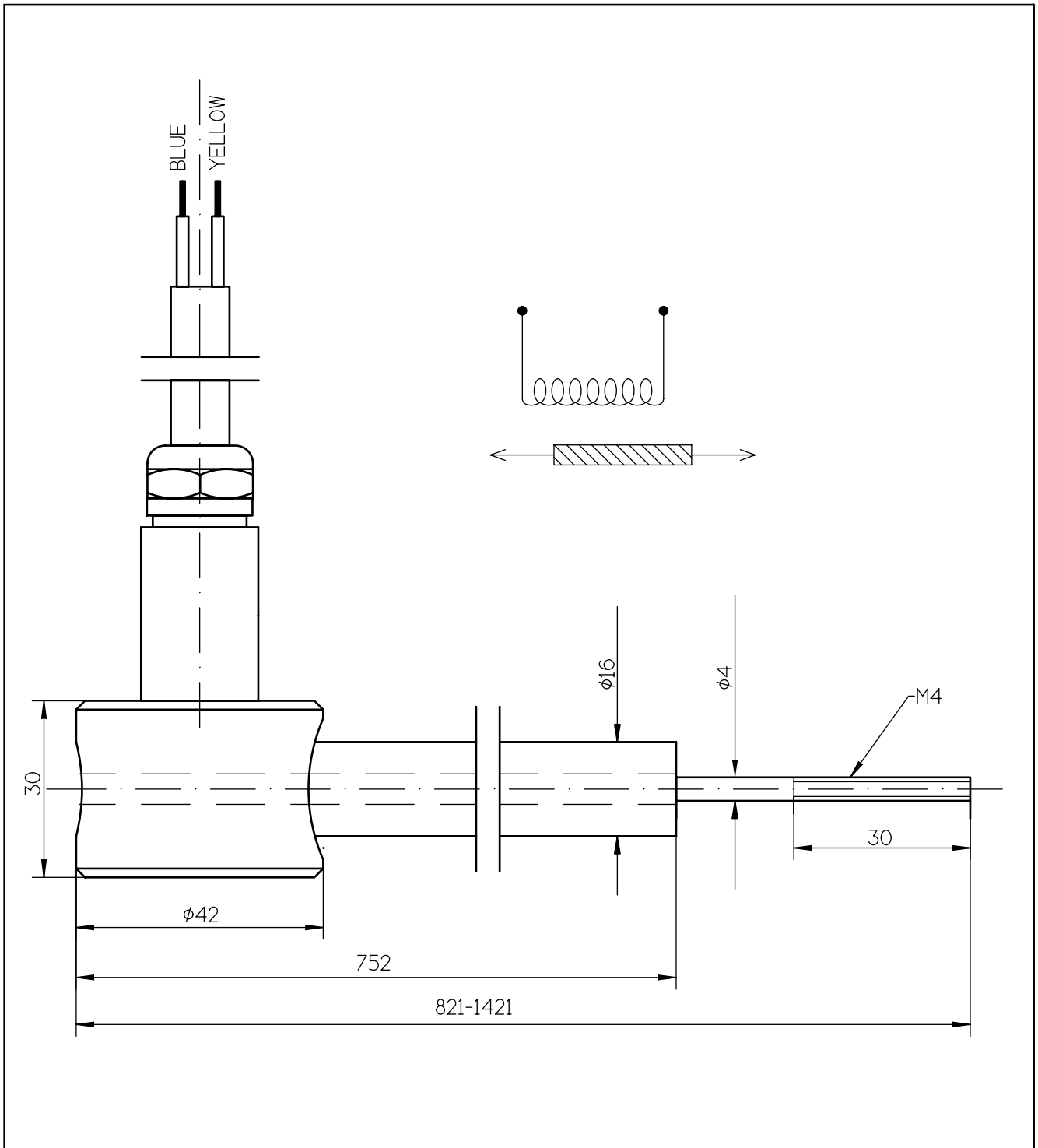


DISPLACEMENT TRANSDUCER TYPE XLWP16/600L (submersible)



DESCRIPTION

The displacement transducer type XLWP16/600L is based on a concept where the sensing element consists of only one coil. Special winding technique has made it possible to obtain measuring range up to 80% of body length. The transducer is assembled by laser welding and all exposed surfaces are stainless steel. The core is guided in a stainless tube by means of a teflon bushing, which gives excellent wear resistance. The ventilating polyamid tube in the cable is used for Helium leak test. The transducer is designed to be submerged in water with pressure up to 50bar (500 mWC).

95-0006

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SENSOR TECHNOLOGY

SPECIFICATIONS

Linear range	600 mm (other ranges possible)
Non-linearity	< 0.5%
Temperature range	-40°C to + 85°C
Temperature coefficient of gain and zero (incl. TCA)	< 0.03%/°C
Risetime (incl. TCA)	<100ms
Mechanical shock	1000g in 1ms according to IEC 68-2-27 Test will not affect calibration.
Transducer material Outer tube Bore liner Core Cable sheath	Stainless steel AISI 316 Stainless steel AISI 316 (inside diameter ø5.18mm) Stainless steel (Sandviken 18.02) ø 4mm Polyurethan
Electrical connection	Cable
Protection class	IP68
Max Water pressure	50bar
Cable	Diameter ø 10mm Mantel Polyurethan Wires 5x0.5mm ² with shield 2 supporting wires 1 capillary tube polyamid ø2.5mm (used for helium leak test)
Weight	0.75 kg