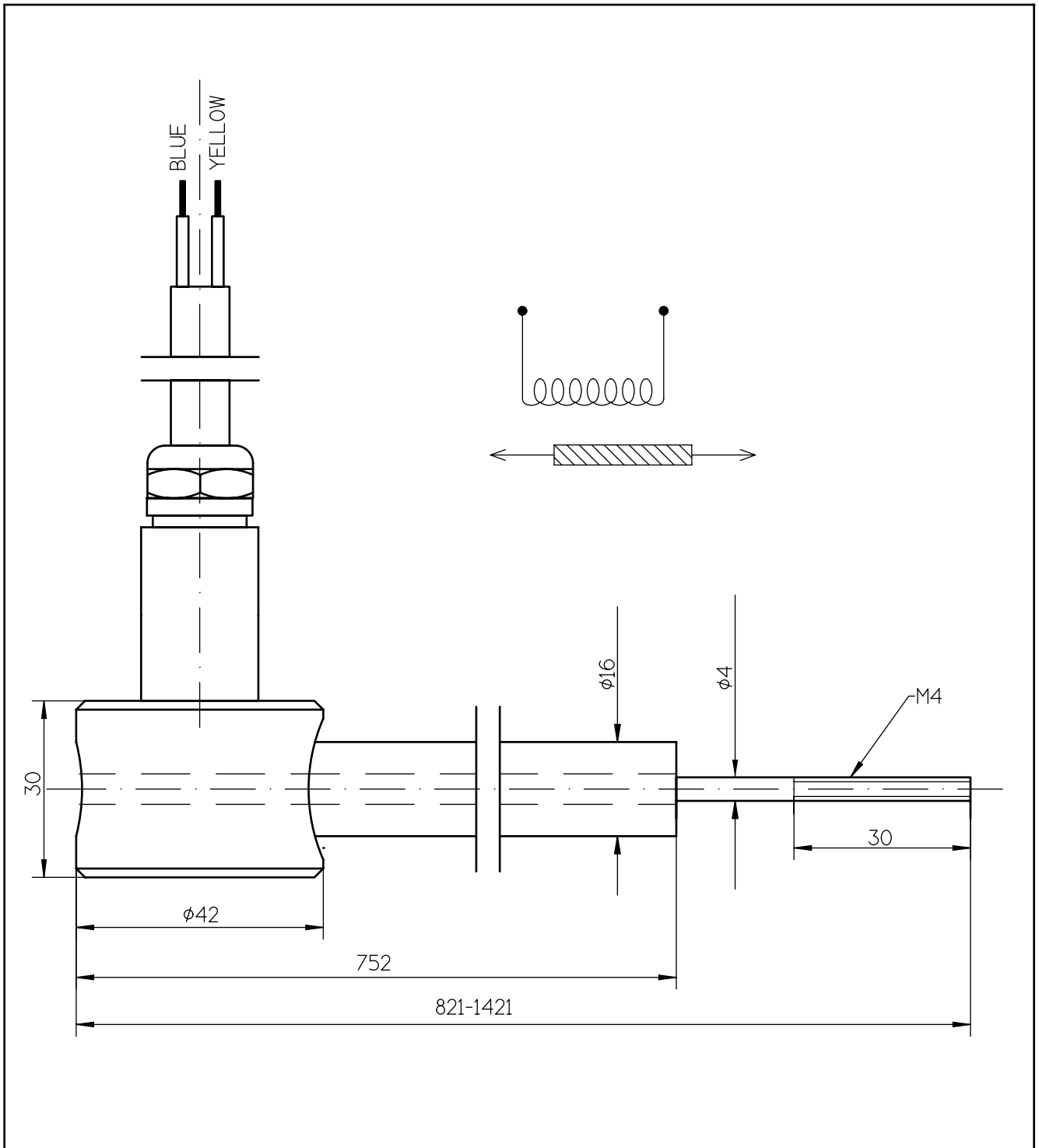


# DISPLACEMENT TRANSDUCER TYPE XLWP 16/600 L (submersible)



## DESCRIPTION

The displacement transducer type XLWP 16/600 L 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 50 bar (500 mWC).

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**H F JENSEN**  
SENSOR TECHNOLOGY

**SPECIFICATIONS**

<b>Linear range</b>	600 mm ( other ranges possible)
<b>Non-linearity</b>	< 0.5 %
<b>Temperature range</b>	-40 °C to +85 °C
<b>Temperature coefficient of gain and zero ( incl. TCA )</b>	< 0.03 %/°C
<b>Risetime (incl. TCA)</b>	<100 ms
<b>Mechanical shock</b>	1000 g in 1 ms according to IEC 68-2-27 Test will not affect calibration.
<b>Transducer material</b> <b>Outer tube</b> <b>Bore liner</b> <b>Core</b> <b>Cable sheath</b>	Stainless steel AISI 316 Stainless steel AISI 316 (inside diameter ø5.18 mm) Stainless steel (Sandviken 18.02) ø4 mm Polyurethan
<b>Electrical connection</b>	Cable
<b>Protection class</b>	IP68
<b>Max Water pressure</b>	500 mWC
<b>Cable</b>	Diameter: ø10 mm Mantel: Polyurethan Wires: 5x0.5 mm <sup>2</sup> with shield 2 supporting wires 1 capillary tube polyamid ø2.5 mm (used for helium leak test)
<b>Weight</b>	0.75 kg

**ORDERING INFORMATION**

XLWP 16/600 L