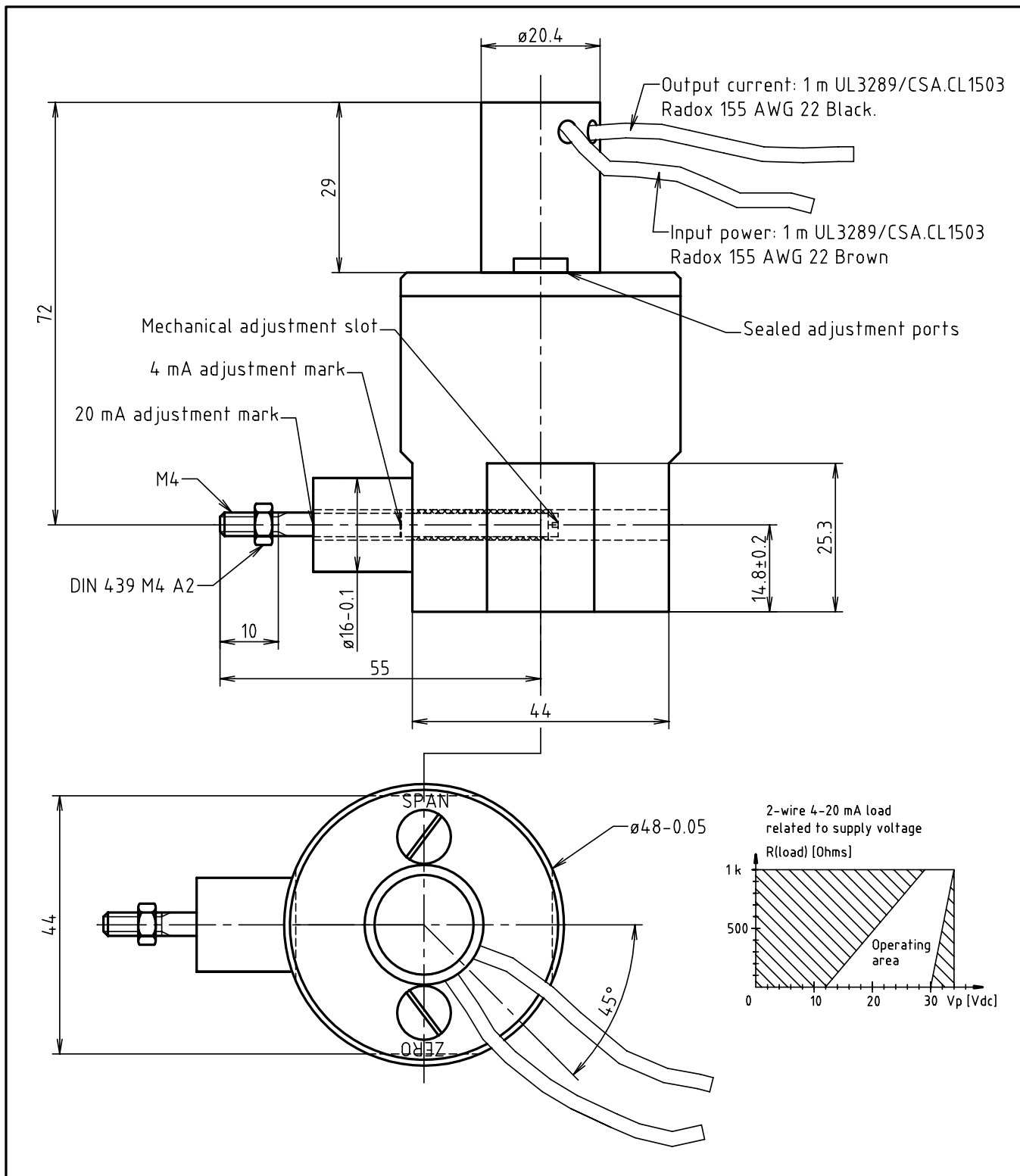


# DISPLACEMENT TRANSMITTER XLWP 16/15 EL (submersible)



## DESCRIPTION

The displacement transmitter XLWP 16/15EL is based on a concept where the sensing element consists of only one coil. The basic principle makes the measurement contactless and teflon bearings in the bore liner gives excellent wear resistance (>100 mio movements). All outer surfaces are made of high corrosion resistance stainless steel. This, together with the watertight laserwelded construction, allows the transmitter to be submerged in water down to 3000 metres. The electronic is mounted on top in the cylindrical stainless steel housing.

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SENSOR TECHNOLOGY

## SPECIFICATIONS

<b>Linear range</b>	15 mm (other ranges possible)
<b>Non-linearity (best fit straight line)</b>	< $\pm 0.5\%$
<b>Supply Voltage</b>	12 – 30 V <sub>DC</sub>
<b>Supply voltage rejection</b>	Min. 86 dB
<b>Output signal</b>	4 – 20mA <sub>DC</sub> , 2 wires, C <sub>L</sub> < 1 $\mu$ F, R <sub>L</sub> see diagram
<b>Load resistance rejection</b>	Min. 60 dB for max. $\Delta R_L$
<b>Zero adjustment</b>	$\pm 10\%$ of FSO
<b>Span adjustment</b>	$\pm 10\%$ of FSO
<b>Response time</b>	6 msec
<b>Output ripple</b>	< 0.05% FSO
<b>Temperature range</b>	- 25°C to +85°C
<b>Temperature coefficient</b>	< $\pm 0.05\%/^{\circ}\text{C}$ of FSO
<b>Max outside pressure</b>	< 300bar (3000m WC) liquid or gas compatible with transducer material
<b>Transducer material</b> - core - coil- and electronic housing	Ferritic Stainless Steel Sandvik 18.0.2 Austenitic Stainless Steel AISI 316.
<b>Connections</b>	Flying leads (2 pieces Habia M-ZL-2019) Length 50cm
<b>Weight</b>	app. 600g

## INSTALLATION

To minimize wear, make sure that there is no bending of the transducer core when mounting. The core rod ends with a M4 thread for easy attachment.

## ORDERING INFORMATION

XLWP 16/15 EL (252809)