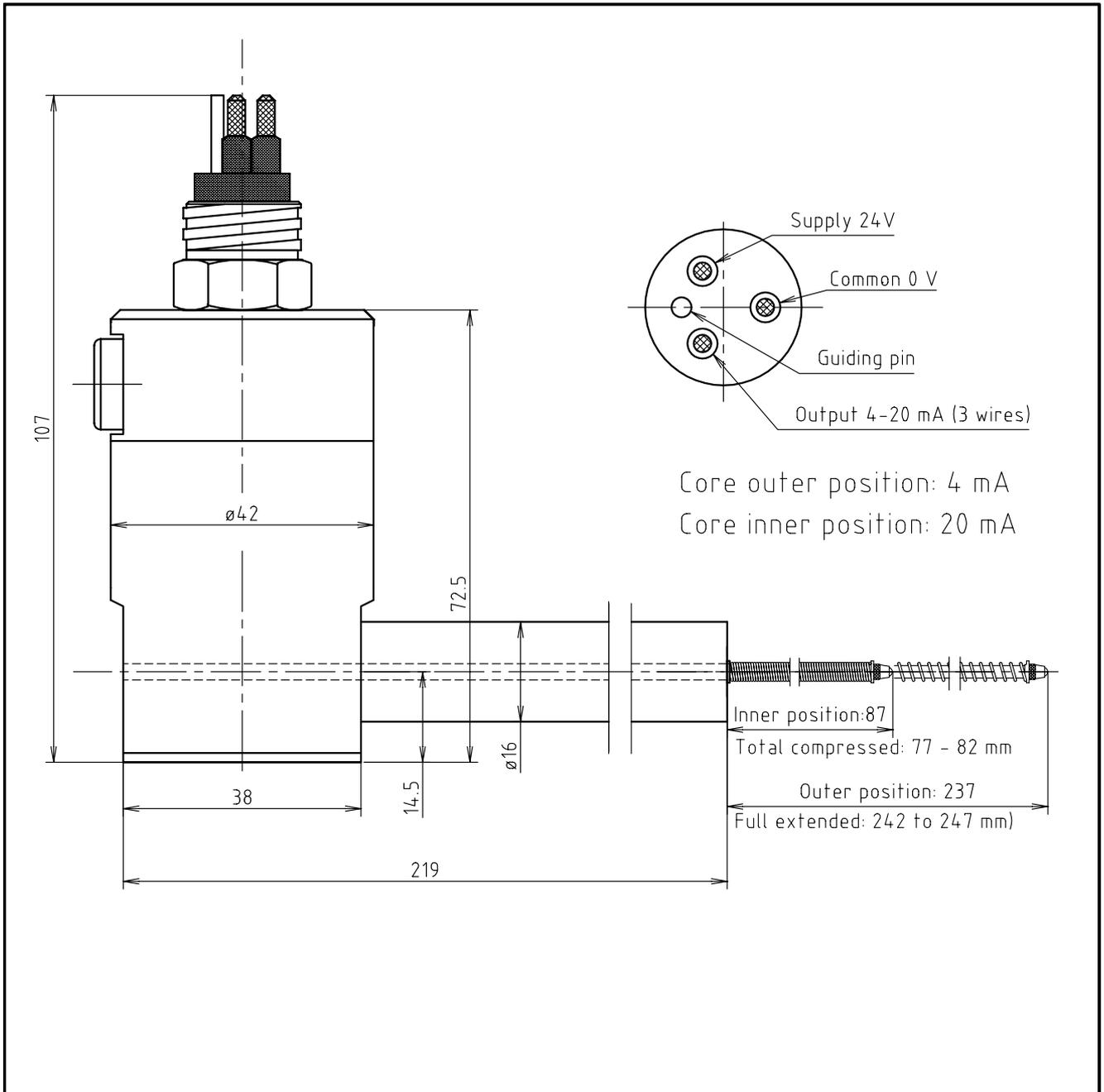


DISPLACEMENT TRANSMITTER XLWP 16/150 EBAS (submersible)



DESCRIPTION

The displacement transmitter XLWP 16/150 E 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 500 metres. The electronic is mounted on top in the cylindrical stainless steel housing.

SPECIFICATIONS

Linear range	150 mm
Non-linearity (best fit straight line)	< ± 0.5 %
Supply Voltage	15 – 30 V _{DC}
Supply voltage rejection	> 86 dB
Output signal	4 – 20 mA, R _L < 500 Ohm (3 – wires) Outer position: 237 mm equal 4 mA Inner position: 87 mm equal 20 mA
Load resistance rejection	> 60 dB for max. ΔR_L
Response time	6 msec
Output ripple	< 0.05 % of FSO
Temperature range	-25 °C to +85 °C
Compensated temperature range	0 °C to +25 °C
Temperature coefficient	< ± 0.03 %/°C
EMC Emission and Immunity	EN 61326
Max outside pressure	< 50 bar (500 mWC) liquid or gas compatible with transducer material
Transducer material - core - electronic housing	Ferritic Stainless Steel Sandvik 18.0.2 Austenitic Stainless Steel AISI 316.
Connector	3-pole SUBCONN MCBH3M
Weight	600 g
Outer / Inner position force – model "S"	0.3 kp / 0.4 kp
Measuring tip diameter / thread – model "S"	Ø3 mm / M2.5

INSTALLATION

To minimize wear, make sure that there is no bending of the transducer core rod when mounting.

ORDERING INFORMATION

XLWP 16/150 EBAS