

# Transducer tube BLT-OM

for continuous level measurement on  
level switches of the NS OM-VA series

The BLT-OM series sensors are suitable to ensure cost-effective and efficient level monitoring in hydraulic and lubrication oil tanks.

These can be ordered with classic 4-20 mA output signals in two possible resolutions.

Their robust design makes them suitable for virtually any liquid properties, allowing a wide range of applications.

The BLT-OM series meets virtually all requirements arising in this area of application.

**BLT-OM1-LA-1A-5/VAR**

**BLT-OM1-LA-1A-10/VAR**

4-20 mA output

Continuous liquid level detection

Nickel-plated brass housing

Up to 820 mm (32.3") transducer length

Connection M12x1 plug connector

Customisable M12 plug included



*Fluidcontrol*



**BLT-OM Technical Data**

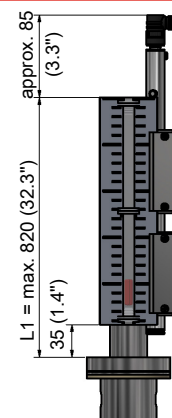
BLT-OM1-LA-1A-5/VAR with 4-20 mA output and 5 mm (0.2") resolution.

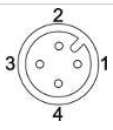
BLT-OM1-LA-1A-10/VAR with 4-20 mA output and 10 mm (0.4") resolution.

	1A
Transducer tube material:	Nickel-plated brass
Ambient temperature:	-20 °C to +70 °C (-4 °F to 158 °F)
Lengths:	L1 = 280, 370, 500, 670, 820 mm* (11", 14.6", 19.7", 26.4", 32.3"*)
<b>Input value</b>	
Sensor element:	Reed chain 5 (0.2") or 10 mm (0.4") resolution
Tolerance:	±1% FS**
Operating voltage (UB):	10–30 V DC
Measuring range:	4-20 mA > 0–100%
Output:	4-20 mA
max. load	(UB-7.5 V)/0.02 A

\*Other lengths on request

\*\* FS = 16 mA

**Dimensions****BLT-OM default pin assignment**

Connector	M12 (base)
Number of pins	4-pin
DIN EN 61076-2-101	30 V DC
IP rating with IP67 cable box attached	IP67
Version	1A
Connection schematic	
	<b>1A (4-20 mA)</b>
1	+24 V DC
2	OUT 4-20 mA
3	GND
4	NC

**Type code BLT-OM1-LA-1A-yy/VAR**

BLT-OM1-LA-1A-5/VAR with 4-20 mA output and 5 mm (0.2") resolution

BLT-OM1-LA-1A-10/VAR with 4-20 mA output and 10 mm (0.4") resolution

**Ordering example**

You need: Visual and electric level monitoring in VA version  
Length L1 670 mm (26.4"), with M12 plug connection, resolution 5 mm (0.2"), 4-20 mA output

You order: BLT-OM1-LA-1A-5/670

**NOTICE! BLT is only the transducer tube for continuous level measurement. An NS OM-VA level switch is absolutely essential for use!**