



a direct suspended solids measurement  
for accurate process control

## Olpas Sensors - Product range

# Wastewater Treatment: Pool / Basin

Measurement technique: **Ultrasound backscattering**

Mounting transducer: **Pool / Basin**

Transducer, Calibration, Dataprocessor and Mounting options



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### Wastewater Treatment: Pool / Basin usage

Olpas OTD-MLSB & OTD-CUSB product range  
Transducer with Calibration + Dataprocessor + pool mounting

OTD-MLSB Range	True-MLSS™ / (activated) sludge concentration		
OTD-CUSB Range	True-TSS™ concentration		
<b>Measurement technique</b>	Ultrasound backscattering		
<b>Measurement</b>	True-MLSS™ / Sludge Concentration True-TSS™		
	<table border="0"> <tr> <td><u>Requirements:</u> Free depth of +/- 60 mm (80 µs echo) Direct contact with fluid</td> <td><u>Independence/insensitive:</u> Fluid colour and fluid velocity Solids form and structure</td> </tr> </table>	<u>Requirements:</u> Free depth of +/- 60 mm (80 µs echo) Direct contact with fluid	<u>Independence/insensitive:</u> Fluid colour and fluid velocity Solids form and structure
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<b>Mounting</b>	Submerged, Pool/Basin Standard mounts on guide tubes up to 6 m Custom mounts for specific positioning & bassins exceeding a depth of 6 m (up to 6 bar hydrostatic pressure)		
<b>Output</b>	0 - 10 V / 4 - 20 mA / rs485 / OLED Display Optional integration into existing IoT-solutions		
<b>Power</b>	24 V (9 - 36 V) - 0.6 A (15 W)		
<b>Transducer</b>	Ultrasound / Reduced fouling / RVS / Cable: 2 - 6 m Length: 90 mm, diameter: 10 mm Easy replaceable, Guaranteed lifetime: +12 mths -20 °C - 90 °C, max. 6 bar		
<b>Callibration</b>	Callibration for MLSS, Sludge, TSS		

#### Product variations: Transducer with Calibration + Dataprocessor

OTD-MLSB-001	MLSS/ (activated) sludge concentration: 0 - 5 g/L
OTD-MLSB-002	MLSS/ (activated) sludge concentration: 0 - 10 g/L
OTD-MLSB-003	MLSS/ (activated) sludge concentration: 0 - 20 g/L
OTD-CUSB-00X	Concentration measurement for particles: 1 µm till mm-size <i>Get in touch with Olpas Customer Support</i>

#### Product variations: Pool mounting options

OM-POOA-003	Stainless steel mount assembly - 16mm - 1m
OM-POOA-004	Stainless steel mount assembly - 16mm - 1,250 m
OM-POOA-005	Stainless steel mount assembly - 16mm - 1,500 m
OM-POOA-006	Stainless steel mount assembly - 16mm - 1,750 m
OM-POOA-002	Stainless steel mount assembly - 16mm - 2m/4m
CUSTOM	Custom mounting options - <i>Get in touch with Olpas Customer Support</i>