





# Lutz Flow Meter HDO 500

for non inflammable liquids and easily inflammable liquids

- ✓ Housing material metal
- ✓ For large flow volumes up to 380 l/min
- ✓ **Non Ex-Version:**  
For neutral liquids, many acids and alkalis mineral oil, paints and lacquers, etc.
- ✓ **Ex-Version:**   
For inflammable mineral oil products, easily flammable hydrocarbons and other chemicals in explosion hazardous areas
- ✓ With flange connection



Technical data	Type HDO 500 Alu/PPS	Type HDO 500 SS/PPS	Type HDO 500 SS/SS
Range of measurement: below 5 mPas above 5 mPas	23 l/min - 380 l/min 15 l/min - 380 l/min	23 l/min - 380 l/min 15 l/min - 380 l/min	23 l/min - 380 l/min 15 l/min - 380 l/min
Temperature	max. 80 °C (60 °C**)	max. 80 °C (60 °C**)	max. 120 °C (60 °C**)
Viscosity max.	500.000 mPas	500.000 mPas	500.000 mPas
Operating pressure max.	16 bar	16 bar	16 bar
Accuracy quantity	below 5 mPas ± 1% of measured quantity above 5 mPas ± 0.5% of measured quantity	below 5 mPas ± 1% of measured quantity above 5 mPas ± 0.5% of measured quantity	below 5 mPas ± 1% of measured quantity above 5 mPas ± 0.5% of measured quantity
Reproducibility	± 0,03%	± 0,03%	± 0,03%
Nominal width	DN 50	DN 50	DN 50
Connections: thread/ flange	PN 16	PN 16	PN 16
LCD display	Touch-Screen 63x63 mm, 128x128 mm pixels, Display sub-total and total volume can be reset		
Menu language	DE, GB, ES, FR, IT, NL, PT, RU		
Materials:			
Housing	Aluminium	Stainless steel (1.4404)	Stainless steel (1.4404)
Rotors	PPS	PPS	Stainless steel (1.4401)
Shaft	Stainless steel (1.4404)	Stainless steel (1.4404)	Stainless steel (1.4404)
Seal	FPM (alt. FFPM, EPDM)*	FPM (alt. FFPM, EPDM)*	FPM (alt. FFPM, EPDM)*
Protection class	IP 55	IP 55	IP 55
Weight	6,6 kg	13,6 kg	13,8 kg
<b>Order No.</b>	<b>Flange</b>	<b>Flange</b>	<b>Flange</b>
<b>up to 1.000 mPas</b>	<b>0231-253</b>	<b>0231-251</b>	<b>0231-249</b>
<b>up to 500.000 mPas</b>	<b>0231-254</b>	<b>0231-252</b>	<b>0231-250</b>

Technical data	Type HDO 200 Alu/PPS Ex	Type HDO 200 SS/PPS Ex	Type HDO 500 SS/SS Ex
Type of protection: Operating unit Basic flow meter	II 2G Ex ib IIB T4 Gb***  II 2G Ex h IIB T4 Gb	II 2G Ex ib IIB T4 Gb***  II 2G Ex h IIB T4 Gb	II 2G Ex ib IIB T4 Gb***  II 2G Ex h IIB T4 Gb
<b>Order No.</b>	<b>Flange</b>	<b>Flange</b>	<b>Flange</b>
<b>up to 1.000 mPas</b>	<b>0231-259</b>	<b>0231-257</b>	<b>0231-255</b>
<b>up to 500.000 mPas</b>	<b>0231-260</b>	<b>0231-258</b>	<b>0231-256</b>

Optional: \*Additional price seal: FFPM Order No. 0230-314, Additional price seal: EPDM Order No. 0230-320. \*\* in Ex-Version \*\*\* Protection class II 2G Ex ib IIC T4 Gb on request.

Recommended Accessories: Power supply unit NG10****	
Voltage	220-230 V
Frequency	50-60 Hz
<b>Order No.</b>	<b>0230-230</b>

\*\*\*\* Limited battery operation without power supply unit possible. Installation of power supply unit outside of the explosion hazard area required.