



Lutz Flow Meter HDO 400

for non inflammable liquids and easily inflammable liquids

- ✓ Housing material metal
- ✓ For medium flow volumes up to 246 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 thread- or flange connection



Technical data	Type HDO 400 Alu/PPS		Type HDO 400 SS/PPS		Type HDO 400 SS/SS	
Range of measurement:						
below 5 mPas	15 l/min - 227 l/min		15 l/min - 227 l/min		15 l/min - 227 l/min	
above 5 mPas	9,5 l/min - 246 l/min		9,5 l/min - 246 l/min		9,5 l/min - 246 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 40		DN 40		DN 40	
Connections:						
thread/ flange	G 1 1/2 IG	PN 16	G 1 1/2 IG	PN 16	G 1 1/2 IG	PN 16
LCD display	Touch-Screen 63x63 mm, 128x128 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)		(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	4,5 kg	5,5 kg	10,4 kg	12,0 kg	10,5 kg	12,1 kg
Order No.	Thread	Flange	Thread	Flange	Thread	Flange
up to 1.000 mPas	0231-233	0231-234	0231-229	0231-230	0231-225	0231-226
up to 500.000 mPas	0231-235	0231-236	0231-231	0231-232	0231-227	0231-228
Technical data	Type HDO 400 Alu/PPS Ex		Type HDO 400 SS/PPS Ex		Type HDO 400 SS/SS Ex	
Type of protection:						
Operating unit	II 2G Ex ib IIB T4 Gb*** 		II 2G Ex ib IIB T4 Gb*** 		II 2G Ex ib IIB T4 Gb*** 	
Basic flow meter	II 2G Ex h IIB T4 Gb		II 2G Ex h IIB T4 Gb		II 2G Ex h IIB T4 Gb	
Order No.	Thread	Flange	Thread	Flange	Thread	Flange
up to 1.000 mPas	0231-245	0231-246	0231-241	0231-242	0231-237	0231-238
up to 500.000 mPas	0231-247	0231-248	0231-243	0231-244	0231-239	0231-240

Optional: *Additional price seal: FFPM Order No. 0230-313, Additional price seal: EPDM Order No. 0230-319. Drum pump connection for B70 / HD-E pump – see page 34.
** 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
Order No.	0230-230

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