


Lutz Flow Meter HDO 120

for non inflammable liquids and easily inflammable liquids

- ✓ Housing material metal
- ✓ For small flow volumes up to 30 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 area
- ✓ With thread connection



Technical data	Type HDO 120 Alu/LCP	Type HDO 120 SS/SS
Range of measurement: below 5 mPas above 5 mPas	2 l/min - 25 l/min 1 l/min - 30 l/min	2 l/min - 25 l/min 1 l/min - 30 l/min
Temperature	max. 80 °C (60 °C**)	max. 120 °C (60 °C**)
Viscosity max.	1.000 mPas	1.000 mPas
Operating pressure max.	16 bar	16 bar
Accuracy	below 5mPas ± 2% of measured quantity above 5mPas ± 0,5% of measured quantity	below 5mPas ± 2% of measured quantity above 5mPas ± 0,5% of measured quantity
Reproducibility	± 0.03%	± 0.03%
Nominal width	DN 12	DN 12
Connections: thread/flange	G 1/2 IG	G 1/2 IG
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)
Rotors	LCP	Stainless steel (1.4404)
Shaft	Stainless steel (1.4404)	Stainless steel (1.4404)
Seal	FPM (alt. FFPM, EPDM)*	FPM (alt. FFPM, EPDM)*
Protection class	IP 55	IP 55
Weight	2.1 kg	4.5 kg
Order No.	Thread	Thread
up to 1.000 mPas	0231-101	0231-100

Technical data	Type HDO 120 Alu/LCP Ex	Type HDO 120 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 
Order No.	Thread	Thread
up to 1.000 mPas	0231-103	0231-102

Optional: *Additional price seal FFPM Order No. 0230-315, Additional price seal EPDM Order No. 0230-321 **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.