





Lutz Flow Meter HDO 50

for non flammable liquids and easily flammable liquids

- ✓ Housing material metal
- ✓ For large flow volumes up to 350 l/min
- ✓ **Non Ex-Version:**
For neutral liquids, many acids and alkalis mineral oil and cosmetic products, foods, paints and lacquers, etc.
- ✓ **Ex-Version:** 
For flammable mineral oil products, easily flammable hydrocarbons and other chemicals in explosion hazardous areas
- ✓ With flange connection



Technical data	Type HDO 50 Alu/PPS	Type HDO 50 SS/PPS	Type HDO 50 SS/SS
Range of measurement below 5 mPas above 5 mPas	30 l/min - 300 l/min 15 l/min - 350 l/min	30 l/min - 300 l/min 15 l/min - 350 l/min	30 l/min - 300 l/min 15 l/min - 350 l/min
Temperature	max. 80 °C	max. 80 °C	max. 120 °C
Viscosity max.	500,000 mPas	500,000 mPas	500,000 mPas
Operating pressure max.	16 bar	16 bar	16 bar
Accuracy	+/- 0.5% of measured quantity	+/- 0.5% of measured quantity	+/- 0.5% of measured quantity
Reproducibility	0.03%	0.03%	0.03%
Nominal width	DN 50	DN 50	DN 50
Connections thread/flange	PN 10/16	PN 10/16	PN 10/16
LCD display	19 mm character height, 6-digit display, individual and total volume reset possible	19 mm character height, 6-digit display, individual and total volume reset possible	19 mm character height, 6-digit display, individual and total volume reset possible
Materials:			
Housing	Aluminium	Stainless steel (1.4435)	Stainless steel (1.4435)
Rotors	PPS	PPS	Stainless steel (1.4435)
Shaft	Stainless steel (1.4435)	Stainless steel (1.4435)	Stainless steel (1.4435)
Seal	Viton® (opt. FEP*)	Viton® (opt. FEP*)	Viton® (opt. FEP*)
Type of protection	IP 54	IP 54	IP 54
Weight	9.5 kg	23.5 kg	25.0 kg
Order No.	Flange	Flange	Flange
up to 1.000 mPas	0256-701	0256-601	0256-501
up to 500.000 mPas	0256+701	0256+601	0256+501

Technical data	Type HDO 50 Alu/PPS Ex	Type HDO 50 SS/PPS Ex	Type HDO 50 SS/SS Ex
Explosion protection class	II 2 G EEx ib IIA T4 	II 2 G EEx ib IIA T4 	II 2 G EEx ib IIA T4 
Operating unit	II 2 G c T4	II 2 G c T4	II 2 G c T4
Basic flow meter			
Order No.	Flange	Flange	Flange
up to 1.000 mPas	0256-702	0256-602	0256-502
up to 500.000 mPas	0256+702	0256+602	0256+502

Optional: *Additional price seal FEP Order No. 0211-352

Drum pump connection for B70 / HD-E pump see page accessories