




Lutz Flow Meter HDO 40

for non flammable liquids and easily flammable liquids

- ✓ Housing material metal
- ✓ For medium flow volumes up to 250 l/min
- ✓ **Non Ex-Version:**
For neutral liquids, many acids and alkalis mineral oil and cosmetical products, foods, paints and lacquers, etc.
- ✓ **Ex-Version:** 
For flammable mineral oil products, easily flammable hydrocarbons and other chemicals in explosion hazardous areas
- ✓ With thread- or flange connection



Technical data	Type HDO 40 Alu/PPS		Type HDO 40 SS/PPS		Type HDO 40 SS/SS	
Range of measurement						
below 5 mPas	15 l/min - 235 l/min		15 l/min - 235 l/min		15 l/min - 235 l/min	
above 5 mPas	10 l/min - 250 l/min		10 l/min - 250 l/min		10 l/min - 250 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 40		DN 40		DN 40	
Connections thread/flange	G 1 1/2 IT	PN 10/16	G 1 1/2 IT	PN 10/16	G 1 1/2 IT	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	4.0 kg	4.9 kg	8.0 kg	13.0 kg	9.0 kg	14.0 kg
Order No.	Thread	Flange	Thread	Flange	Thread	Flange
up to 1.000 mPas	0245-701	0255-701	0245-601	0255-601	0245-501	0255-501
up to 500.000 mPas	0245+701	0255+701	0245+601	0255+601	0245+501	0255+501

Technical data	Type HDO 40 Alu/PPS Ex		Type HDO 40 SS/PPS Ex		Type HDO 40 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.	Thread	Flange	Thread	Flange	Thread	Flange
up to 1.000 mPas	0245-702	0255-702	0245-602	0255-602	0245-502	0255-502
up to 500.000 mPas	0245+702	0255+702	0245+602	0255+602	0245+502	0255+502

Optional: *Additional price seal FEP Order No. 0211-351

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

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