





Lutz Flow Meter HDO 25

for non flammable liquids and easily flammable liquids

- ✓ Housing material plastic or metal
- ✓ For small and medium flow volumes up to 120 l/min
- ✓ **Non Ex-Version:**
For neutral liquids, many acids and alkalis mineral oil and cosmetic products, food-, paints and lacquers, etc.
- ✓ **Ex-Version:** 
For flammable mineral oil products, easily flammable hydrocarbons and other chemicals in explosion hazardous area
- ✓ With thread- or flange connection



Technical data	Type HDO 25P PPS/PPS	Type HDO 25 Alu/PPS		Type HDO 25 SS/PPS		Type HDO 25 SS/SS	
Range of measurement below 5 mPas above 5 mPas	8 l/min - 70 l/min 3 l/min - 75 l/min	10 l/min - 100 l/min 6 l/min - 120 l/min		10 l/min - 100 l/min 6 l/min - 120 l/min		10 l/min - 100 l/min 6 l/min - 120 l/min	
Temperature	max. 80 °C	max. 80 °C		max. 80 °C		max. 120 °C	
Viscosity max.	1,000 mPas	500,000 mPas		500,000 mPas		500,000 mPas	
Operating pressure max.	10 bar	55 bar	16 bar	55 bar	16 bar	55 bar	16 bar
Accuracy	+/- 0.5% of measured quantity	+/- 0.5% of measured quantity		+/- 0.5% of measured quantity		+/- 0.5% of measured quantity	
Reproducibility	0.03%	0.03%		0.03%		0.03%	
Nominal width	DN 25	DN 25		DN 25		DN 25	
Connections thread/flange	G 1 IT (=Internal Thread)	G 1 IT	PN 10/16	G 1 IT	PN 10/16	G 1 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		19 mm character height, 6-digit display, individual and total volume reset possible	
Materials:							
Housing	PPS	Aluminium		Stainless steel (1.4435)		Stainless steel (1.4435)	
Rotors	PPS	PPS		PPS		Stainless steel (1.4435)	
Shaft	Hastelloy-C (2.4610)	Hastelloy-C (2.4610)		Stainless steel (1.4435)		Stainless steel (1.4435)	
Seal	Viton® (opt. FEP*)	Viton® (opt. FEP*)		Viton® (opt. FEP*)		Viton® (opt. FEP*)	
Type of protection	IP 54	IP 54		IP 54		IP 54	
Weight	1.0 kg	1.6 kg	2.5 kg	3.4 kg	4.4 kg	3.5 kg	4.5 kg
Order No.	Thread	Thread	Flange	Thread	Flange	Thread	Flange
up to 1.000 mPas	0243-401	0244-701	0254-701	0244-601	0254-601	0244-501	0254-501
up to 500.000 mPas		0244+701	0254+701	0244+601	0254+601	0244+501	0254+501

Technical data	Type HDO 25 Alu/PPS		Type HDO 25 SS/PPS		Type HDO 25 SS/SS	
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	II 2 G c T4		II 2 G c T4		II 2 G c T4	
Order No.	Thread	Flange	Thread	Flange	Thread	Flange
up to 1.000 mPas	0244-702	0254-702	0244-602	0254-602	0244-502	0254-502
up to 500.000 mPas	0244+702	0254+702	0244+602	0254+602	0244+502	0254+502

Optional: *Additional price seal FEP Order No. 0211-350

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