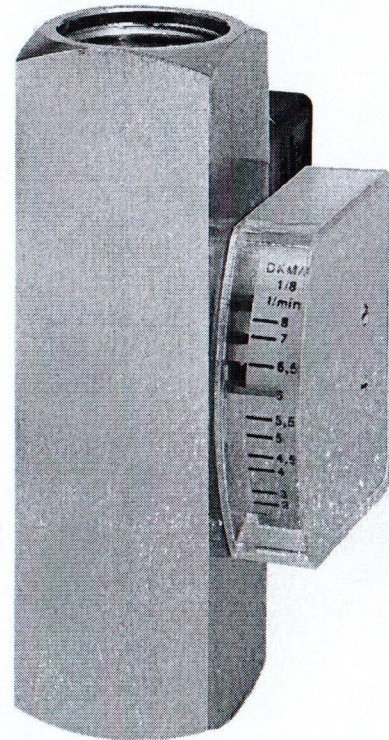


meister 

MASTERPIECES
MADE IN GERMANY

Flow Monitor & Flow Indicator

DKM/A-1



OVERVIEW

Operation

- Float measuring principle

Application

- Mechanical engineering
- Central lubrication
- Circulation lubrication
- Transformers

Features

- Universal orientation
- High reliability
- High switch accuracy
- Viscosity compensated
- Infinitely variable switch point adjustment by operator
- EX-version according to ATEX directive available
- UL Recognized version available
- High pressure resistance
- Threaded connection, special thread on request

Installation information

- The operating instructions for DKM/A-1 Module BASICS / ...ATEX must be observed!
- **Download: www.meister-flow.com**

OPERATING DATA

Operating pressure, max.	250 bar (Brass version)
	300 bar (Stainless steel version)
Pressure drop	0,02 – 0,4 bar
Viscosity range	30 cSt to 600 cSt
Temperature, max.	120 °C (optional 160 °C)
Measuring accuracy	±10 % of full scale

Changed operating data apply to the device in explosion-proof design according to ATEX directive. Refer to the Operating Instructions for DKM/A-1 Module ATEX.

For UL Recognized devices, changed operating data apply. Refer to the Operating Instructions for DKM/A-1 Module BASICS

Download: www.meister-flow.com

MEASURING RANGES

Type	Switch range for Oil, density 0,9 kg/dm ³ ⁽¹⁾		
	l/min	gph	gpm
DKM/A-1/2	0,5 – 1,5	8 – 24	
DKM/A-1/4	1 – 4	16 – 63	
DKM/A-1/8	2 – 8	32 – 127	
DKM/A-1/10	3 – 10	48 – 160	
DKM/A-1/15	5 – 15	80 – 240	
DKM/A-1/24	8 – 24	125 – 380	
DKM/A-1/30	10 – 30	160 – 480	
DKM/A-1/45	15 – 45	240 – 710	
DKM/A-1/60	20 – 60	320 – 950	
DKM/A-1/90	30 – 90		8 – 24
DKM/A-1/110	35 – 110		9,5 – 29

⁽¹⁾ The specified measuring- /switch ranges are valid for oils having a density of 0.9 kg/dm³ and a kinematic viscosity of 30 to 600 cSt, vertical installation of the device and flow direction from bottom to top.

Other installation positions or deviation from the operating densities and operating viscosities will increase the measurement error specified in the data sheet. Excessive operating viscosities will influence or may prevent function of the device.

Upon request, special scales for deviating media, different operating conditions and installation positions (only for devices which can be installed in any position) are available.

The specified switch values are switch-off points, i.e. switch values by decreasing flow.

Other measuring- /switch ranges are available upon request.

MATERIALS

Brass version, wetted parts

Spring:	1.4571
Gaskets:	FKM (optional NBR, EPDM) ⁽²⁾
Magnets:	Hard ferrite
Device body:	Brass, nickel-plated
all other wetted parts:	Brass

Brass version, non-wetted parts

Display:	Makrolon® / Brass, nickel-plated
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Stainless steel version, wetted parts

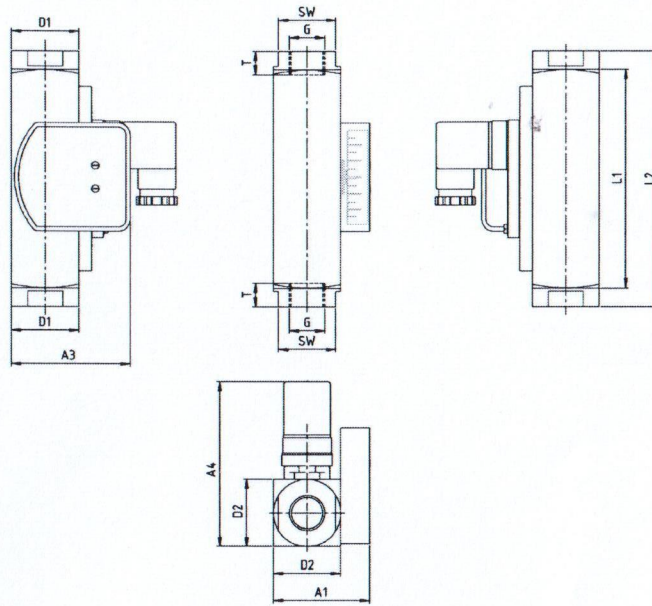
Spring:	1.4571
Gaskets:	FKM (optional NBR, EPDM) ⁽²⁾
Magnets:	Hard ferrite
Device body:	1.4571
all other wetted parts:	1.4571

Stainless steel version, non-wetted parts

Display:	Makrolon® / Brass, nickel-plated
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⁽²⁾ Other gasket materials on request

■ TECHNICAL DRAWING



■ SUMMARY OF TYPES

Type	Overall dimensions [mm]												Weight approx. [g]
	G	DN	SW	L1	L2	T	D1	D2	A1	A2	A3	A4	
	1/4"	8	34	130	152	10	40	40	57	-	70,5	-98	1550
DKM/A-1/2	1/2"	15	34	130	152	14	40	40	57	-	70,5	-98	1475
DKM/A-1/4	3/4"	20	34	130	152	15	40	40	57	-	70,5	-98	1390
	1"	25	40	130	130	17	40	40	57	-	70,5	-98	1210
DKM/A-1/8													
DKM/A-1/10	1/2"	15	34	130	152	14	40	40	57	-	70,5	-98	1475
	3/4"	20	34	130	152	15	40	40	57	-	70,5	-98	1390
DKM/A-1/15	1"	25	40	130	130	17	40	40	57	-	70,5	-98	1210
DKM/A-1/24													
DKM/A-1/30													
DKM/A-1/45	3/4"	20	34	130	152	15	40	40	57	-	70,5	-98	1390
	1"	25	40	130	130	17	40	40	57	-	70,5	-98	1210
DKM/A-1/60													
DKM/A-1/90													
DKM/A-1/110	1"	25	40	130	130	17	40	40	57	-	70,5	-98	1210