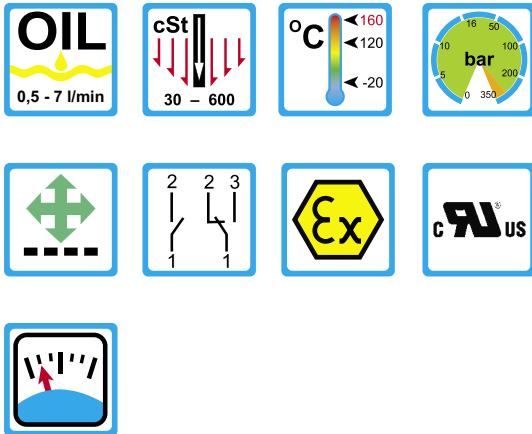


# Flow Monitor

## DKM/A-2



### Range of Application

#### Measuring Principle

- Float measuring principle

#### Application

- Central lubrication
- Circulation lubrication
- Transformers

#### Features

- Universal orientation
- High reliability
- Viscosity compensated
- High switch accuracy
- Infinitely variable switchpoint adjustment by user
- EX-version to ATEX available
- Threaded connection, special threads on request
- High pressure resistance

#### Installation Information

- The operating instructions for DKM/A must be observed
- Download: [www.meister-flow.com](http://www.meister-flow.com)

### Operating Data

Max. operating pressure	300 bar (MS) / 350 bar (VA)
Pressure drop	0,02 - 0,2 bar
Viscosity range	30 cSt to 600 cSt
Max. fluid temperature	120 °C (optional 160 °C)
Accuracy	±10 % of full scale

### Measuring Ranges

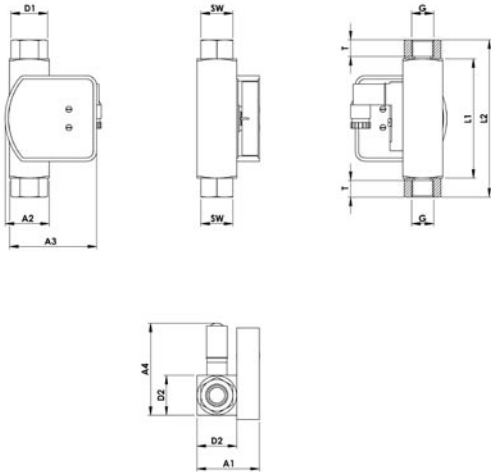
Type	Switch range for oil, density 0,9 kg/dm <sup>3</sup> (1)		
	[l/min]	[gph]	[gpm]
DKM/A-2/2	0,5 - 1,6	8,0 - 25,5	
DKM/A-2/3	0,8 - 3	13,0 - 48,0	
DKM/A-2/7	2 - 7	32,0 - 111,0	

(1) The specified data are switch-off points, other switch ranges on request

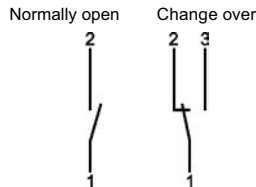


# Technical Data

## Mechanical drawing



## Connection diagram



## Electrical Data

**Change over** <sup>(3)</sup> 250V • 1,5A • 50VA <sup>(2)</sup>

**Normally open** 230V • 3A • 60VA

**ATEX II 2 G Ex mb II T6 & ATEX II 2 D Ex tD A21 IP67 T80 °C**

**ATEX II 2 G Ex mb II T5 & ATEX II 2 D Ex tD A21 IP67 T100 °C**

**Change over** 250V • 1A • 30VA

**Normally open** 250V • 2A • 60VA

**Change over M 12x1 (-20 °C - 85 °C)** 125V • 1,5A • 50VA <sup>(2)</sup>

**Normally open M 12x1 (-20 °C - 85 °C)** 125V • 3A • 60VA

**Change over SPS** <sup>(3)</sup> 250V • 1A • 60VA

### Ingress Protection:

IP65: plug connection DIN 43650 Form C or plug connection M 12x1

IP67: 1 m sealed in cable, (with EEx-version 2 m)

### Output signal

The contact opens / changes when the flow decreases below the set point.

### Power supply

Not required (potential free reed contacts)

### Plug types

Other plug types or cable lengths on request

<sup>(2)</sup> Minimum load 3 VA

<sup>(3)</sup> Only with plug connection

## Summary of types

Type:	Overall dimensions [mm]													Weight approx. [g]
	SW	L1	L2	D1	G	T	D2	DN	A1	A2	A3	A4		
DKM/A-2/2	24	90	98	27,5	1/4"	15	30	8	47	33	66	70	620	
	-	90	-	-	1/2"	15	30	15	47	33	66	70	570	
	24	90	119	27,5	3/8"	12,5	30	10	47	33	66	70	670	
DKM/A-2/3	-	90	-	-	1/2"	15	30	15	47	33	66	70	570	
DKM/A-2/7	-	90	-	-	1/2"	15	30	15	47	33	66	70	570	

## Material

### Brass version

#### Wetted parts:

Spring: 1.4571  
 Gaskets: FPM  
 (optional NBR, EPDM) <sup>(4)</sup>  
 Magnets: Hard ferrite  
 Housing: Brass nickel-plated

all other wetted parts: Brass

### Stainless steel version

#### Wetted parts:

Spring: 1.4571  
 Gaskets: FPM  
 (optional NBR, EPDM) <sup>(4)</sup>  
 Magnets: Hard ferrite  
 Housing: 1.4571

all other wetted parts: 1.4571

<sup>(4)</sup> Other gasket materials on request

