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Product Information

Large analog display

Short installation length

movement by means of a magnetic coupling.

Monitor and display

Insensitive to dirt

Characteristics

Technical data

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Flow Meter TZ1-...GK

Simple adjustment by means of drag indicator

The volume flow raises a disc unit (fitted with a magnet) out from a valve seat against a spring force. The magnet actuates the display



TZ1-015..050GK

Installation	Standard: horizontal inwards flow; display					
location	downwards not recommended; other					
	installation positions are possible; the					
	installation position affects the switching					
	point and display range.					

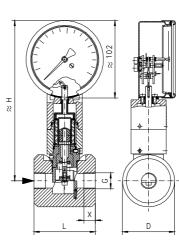
Ranges

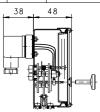
Details in the table correspond to horizontal inwards flow with increasing flow rate.

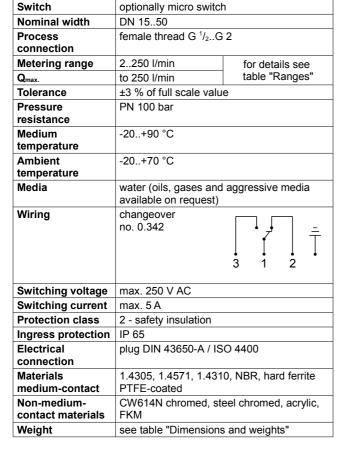
G	Nominal width	Metering range I/min H ₂ O	Q _{max.} recommended	Туре			
G ¹ / ₂	DN 15	2 - 6	8	TZ1-015GK006			
		4 - 20	20	TZ1-015GK020			
G ³ / ₄	DN 20		40	TZ1-020GK020			
		5 - 40		TZ1-020GK040			
G 1	DN 25	10 - 60	60	TZ1-025GK060			
G 1 ¹ / ₄	DN 32	10 - 100	100	TZ1-032GK100			
G 1 ¹ / ₂	DN 40	10 - 150	150	TZ1-040GK150			
G 2	DN 50	20 - 250	250	TZ1-050GK250			
Special ranges are available							

Dimensions and weights

G	Types	Н	L	D	X	Weight kg
G ¹ / ₂	TZ1-015GK	210	80	68	15	2.9
G ³ / ₄	TZ1-020GK				16	2.8
G 1	TZ1-025GK				18	2.7
G 1 ¹ / ₄	TZ1-032GK		95	78	24	3.4
G 1 ¹ / ₂	TZ1-040GK	223	105	88	25	3.7
G 2	TZ1-050GK	225	120	102	27	5.1







. professional Instruments "MADE IN GERMANY"

Product Information

Handling and operation

Note

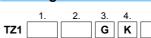
- Include straight calming section of 5 x DN in inlet and outlet
- Include a filter if the media are dirty (use magnetic filter for ferritic components).
- It must be ensured that the values given for voltage, current, and power are not exceeded.
- When switched on, a load must be connected in series.
- The electrical details apply to ohmic loads. Capacitive and inductive loads must be operated using a protective circuit.

Adjustment

The micro switch (optional) is adjusted by means of the knurled adjusting screw provided. The screw allows the drag indicator to be set to the desired switching value. The value displayed corresponds to a switching point for a decreasing flow rate.



Ordering code



O=Option

1.	Additional devices								
	-	only analog display							
	M-	with integrated micro switch							
	P- O	with potentiometer	see "Additional devices for TZ1"			 al			
	M2- O	with 2 x normally open (n.o.)							
	M3- O	with 2 x normally closed (n.c.)							
2.	Nominal	minal width							
	015	DN 15 - G ¹ / ₂							
	020	DN 20 - G ³ / ₄							
	025	DN 25 - G 1							
	032	DN 32 - G 1 ¹ / ₄							
	040	DN 40 - G 1 ¹ / ₂		1					
	050	DN 50 - G 2							
3.	Process connection								
	G	female thread							
4.	Connecti	tion material							
	К	stainless steel							
5.	Metering range H ₂ O for horizontal inwards flow								
	006	2 - 6 l/min				•			
	020	4 - 20 l/min			•	•			
	040	5 - 40 l/min			•				
	060	10 - 60 l/min							
	100	10 - 100 l/min		•					
	150	10 - 150 l/min	•	2					
	250	20 - 250 l/min	•						

Options

- Gold contact micro switch Goldkontakt
 - min: 5 V DC, 1 mA
 - max: 125 V AC, 30 V DC, 1 A
- Special Harting plug
- Metering ranges for oil or gas
- Special values

Ordering information

- Specify direction of flow, medium, and metering range.
- For oils. State viscosity, temperature and designation (e.g. ISO VG 68) (enquire about metering range).
- For gases, state pressure (relative or absolute), temperature and medium (e.g. air) (request metering range)