



measuring • monitoring • analysing



- 4 1/2 digit LED display
- 2 x 16 digit LC display
- Frequency, temperature and pressure input
- 2 limit values
- Analogue or pulse output
- Sensor supply
- User scaling
- MIN/MAX memory
- Sensor linearization

KOBOLD companies worldwide: ARGENTINA, AUSTRIA, BELGIUM, CANADA, CHILE, CHINA, CZECHIA, FRANCE, GERMANY, GREAT BRITAIN, INDIA, INDONESIA, ITALY, MALAYSIA, MEXICO, NETHERLANDS, POLAND, SINGAPORE, SLOVAKIA, SPAIN, SWITZERLAND, THAILAND, USA, VENEZUELA, VIETNAM Model: ADI-Z





Description

The new KOBOLD universal dosing device ADI-Z offers a range of functions such as indication of flow rate, flow rate counter, dosing functions, and limit value monitoring of pressure and temperature in a single device.

You can read the instantaneous value of the flow rate on the 4 1/2-digit digital display. The actual cumulated throughput along with temperature and pressure from two external sensor inputs are displayed on the 2-line LC display.

A convenient batch function controls two switching outputs in single or loopback mode. Two control inputs are also available for remote start/stop.

The input signals are digitized and processed in a state-ofthe-art μ -processor. Display scaling, switching point setting, memory function and linearization may be selected with three programming buttons.

As a flow controller the standard device comes with the following functions:

- Scaling by teach-in or pulse rate entry
- MIN./MAX. memory
- Sensor linearization

Along with the standard functions the device can also be supplied with the following options:

- Analogue output 0(4) 20 mA
- Frequency output 0 to 1000 Hz
- Sensor supply 5/12/24 V_{DC}

Technical Details

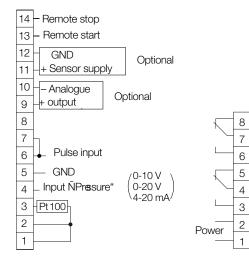
lechnical Details				
Digital display for				
flow rate:	41⁄2-digit, 14 mm high red			
now rate.	LED display, programmable			
a .	decimal-point setting			
Summator:	LC display, 8-digit, with reset, two			
	programmable decimal point positions;			
	Units: [I] I, [m³], [galuk], [galus]			
Pressure read-out:	LC display, 4-digit,			
	1 programmable decimal point posi			
	tion [bar], [psi], [Mpa] units			
-				
Temperature display:	LC display, 4-digit, [°C], [F] units			
Scanning frequency/				
display time:	S ⁻¹			
Inputs:				
Frequency:	frequency input 0.5 - 2000 Hz			
r roquorioy.	(PNP/NPN/Namur/TTL)			
D				
 Pressure: 	4-20 mA (Ri<200 Ω)			
 Temperature: 	Pt 100, 3-wire			
Control inputs:	1x remote start, 1x remote stop,			
I	TTL level			
	(control level: 5 - 40 V_{DC} ; ≥ 0.5 s)			
Concer aurohy				
Sensor supply:				
(option)	5 V/15 mA, 12 V _{DC} /30 mA			
	and 24 V _{DC} /50 mA			
Power supply	230, 115, 48, 24 V _{AC} ±15%			
	50-60 Hz, 24 V _{DC} ±20%			
Limit values:	2 changeover relay contacts			
	max. $115/230 V_{AC}/5 A \text{ or}$			
	$30 V_{DC} / 5 A (\cos \varphi = 1) \text{ or}$			
	2 transistor outputs passive,			
	max. 40 V_{DC} , that can be			
	assigned to frequency, pressure,			
	temperature or batch function			
Analogue output:				
(optional):	0-20 mA, 4-20 mA (max. load: 500 Ω)			
(optional).	and 0-10 V_{DC} , electr. isolated			
-				
Temperature range:	-20 to +80°C operating temperature			
	-20 to +80 °C storage temperature			
Dimensions:	96 x 96 x 105 mm (W x H x D)			
	incl. screw-type terminal (panel			
	mounting)			
	$116 \times 116 \times 123 \text{ mm} (W \times H \times D)$			
	· ,			
	(field housing)			
Cut-out-dimensions:	92+0.8 x 92+0.8 mm (panel mounting)			
Case material:	Glass-fibre-reinforced Noryl			
	(panel mounting), Aluminium (powder			
	coated) / PA 66 (field housing)			
Protection type:	Front panel IP 40, terminals IP 00			
r rotootion typo.	(panel mounting), IP 65 (field housing)			
N.4				
Mounting:	Fastening clip form B (DIN 43 835)			
	(panel mounting)			
	wall and pipe mounting (field housing)			
Connection:	Pluggable terminal block (panel moun			
	ting), cable connection (field housing)			
Weight:	approx. 700 g (panel mounting)			
	approx. 1600 g (field housing)			



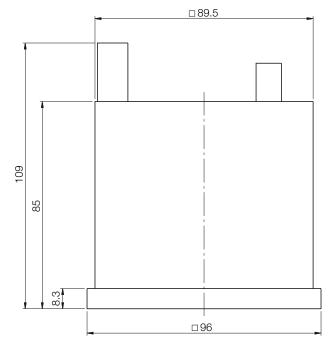
Order Details (Example: ADI-ZF 0 4 W 2 X)

Model	Description	Supply	Output	Sensor supply	Switching contact	Housing
ADI-ZF	Dosing Device 96 x 96 mm with frequency, temperature and pressure input, sensor linearization Min/Max memory	0 = 230 V _{AC} 4 = 115 V _{AC} 1 = 48 V _{AC} 2 = 24 V _{AC} 3 = 24 V _{DC}	0 = without 1 = 0-10 V 2 = 0-20 mA 4 = 4-20 mA	0 = without U = 5 V _{DC} V = 12 V _{DC} W = 24 V _{DC}	2=2 change- over contacts 6= transistor, passive	 X = panel mounting F = field housing W = field housing with wall mounting; mounted in 90° steps S = field housing with wall mounting; finely rotable R = field housing with pipe mounting; for 2" piping

Electrical Connection



Dimensions



Model: ADI-

S2

S1

