

# Differential pressure flow meter

»FUTURA« series

**MAX** |||

Art. No. 146508

Type No. KDDM-2.2



Exemplary illustration

Differential pressure measuring system with fast response times for the determination of flow, volume and pressure. The simple and robust design of the KDDM-2.2 makes it ideal for use in almost any industrial environment.

Advantages:

- practical precision
- system monitoring of flow and consumption changes in real time
- IO-Link enabled
- maintenance-free

Applications: Leakage measurement, operation control, dosage monitoring and consumption measurement.

Accessories:

Wall console or alternative a mounting bracket for wall mounting as a component of the »FUTURA« service unit.

Wall consoles with a connection thread for mounting to an existing compressed air system.

Blocking set for easy adaptation as a component of the »FUTURA« service unit.

Adapter plates for adapting different »FUTURA« service unit sizes.

## Technical data

Series	FUTURA
Size	2
Max. input pressure	16 bar
Temperature range	-10 to 50 °C
Flow measuring range	20 l/min to 2000 l/min
Analogue output	0 - 5 V / 0 - 10 V / 4 - 20 mA
Digital output	PNP / NPN
Display	with
IO-Link	with
WiFi	without
Medium	compressed air, neutral gases
Required purity class in accordance w. ISO 8573-1	6.4.4

## Technical data

Supply voltage range	24 +/-50 % V DC
Operating voltage	12 - 36 V DC
Flow direction	unidirectional
Measuring system	differential pressure method
Protection IP	IP 65

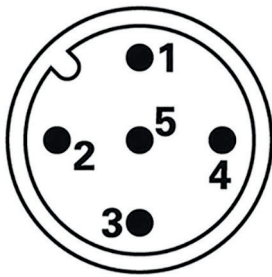
For operation as a standalone unit, two wall mounting brackets must be used, which serve both as a line connection and for mounting. Available in connection sizes G 3/8, G 1/2 and G 3/4.

The KDDM-2.2 must not be installed directly behind a regulator/filterregulator, as this can lead to measurement errors.

## Commercial data

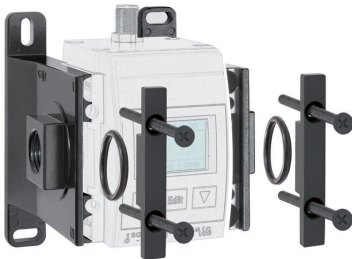
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UNSPSC_Code_v190501	20121904
UNSPSC_CodeDesc_v190501	Flow measurement equipment

## Plug assignment



1. L+ 21V-
2. DIO
3. L-GND
4. C/Q IO-LINK COMMUNICATOR
5. ANALOG OUT

## Mounting wall bracket



## Accessories

	Art. No.	Type No.
Wall console incl. 2 screws and O-ring, for »FUTURA«, Size 2, G 3/8 and G 1/2	100044	WK 102
Mounting bracket incl. 2 screws, galvanised steel, for »FUTURA«, Size 2, G 3/8 and G 1/2	100043	H 852
Wall console with connection thread G 3/8, incl. left and right wall console, 4 screws and 2 O-rings, for »FUTURA«, Size 2	100331	WK 102-38
Wall console with connection thread G 1/2, incl. left and right wall console, 4 screws and 2 O-rings, for »FUTURA«, Size 2	100332	WK 102-12
Wall console with connection thread G 3/4, incl. 2 screws and O-ring, for service units »FUTURA«, Size 2	100333	WK 102-34
Blocking set incl. 2 screws and O-ring, for »FUTURA«, Size 2, G 3/8 and G 1/2	100045	KP 200
Adapter plate for adaptation of »FUTURA« service equipment (differential pressure flow meter) of Size 2 to Size 1	100334	AP 21
Adapter plate for adaptation of »FUTURA« service equipment (differential pressure flow meter) of Size 2 to Size 4	100335	AP 24