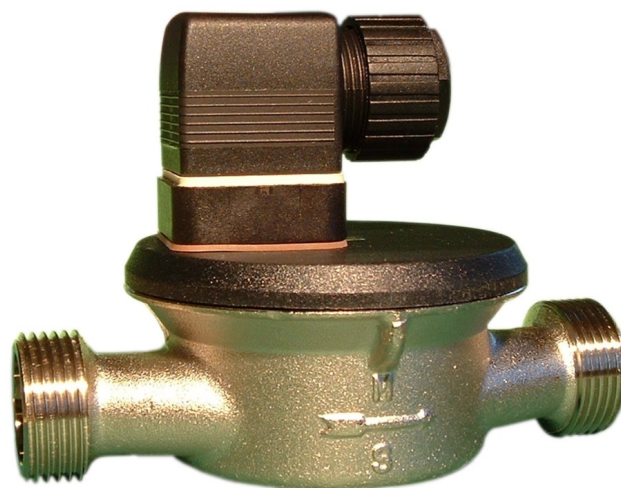


DR58

Brass Paddle Wheel Flowmeter

- for liquids
- measuring ranges:
50...3000 l/h (G ¾ male),
100...5000 l/h (G 1 male)
- robust housing made of brass
- no inlet and outlet pipe runs needed
- max. pressure: 10 bar
- max. temperature: 80 °C
- optionally with built on display and control unit



Description:

The plastic paddle wheel flow meter of the DR58 series measure the flow of water and water-like media. They consist of a sensor and an optional transmitter.

The sensor has a paddle wheel which is mounted in a housing made of POM or ECTFE and is rotated by the flowing medium. This rotary motion is picked up by a Hall sensor system and emitted as a flow-proportional frequency signal. A convenient control unit with display is available as an option, which can also be mounted on the flow meter.

Typical applications:

The DR58 impeller flow meters are very resistant to many process media due to their robust design made of brass. Almost all low-viscosity liquids can be measured reliably and cost-effectively with this device.

- cooling circuits
- osmosis plants
- electroplating / photo industry
- agriculture / gardening
- filling plants / washing plants

Models:

G ¾ male: measuring range: 50...3000 l/h*
flow range: 30...3000 l/h*

G 1 male: measuring range: 100...5000 l/h*
flow range: 50...5000 l/h*
(*water at 21 °C)

Technical Data:

Measuring range: 50...3000 l/h
(water at 21 °C) 100...5000 l/h

Accuracy: +/- 2 % of average value

Repeatability: +/- 0,8 %

Serial dispersion: Max. +/- 2 %

Max. process pressure: 10 bar

Max. process temp.: -10...80 °C

Bearing: jewel bearing with centering ring

Viscosity: 1...10 cSt

Process connection: 2 x G ¾ male or
2 x G 1 male

Materials:

housing: brass
bearing / rotor: PA 66
pivot: stainless steel
magnets: ceramic bond
gaskets: NBR

Electrical connection: angle plug acc. to
EN 175301-803A

Power supply: 4,5...24 VDC

Output signals: rectangular pulse, Push-Pull or
4...20 mA, analogue output

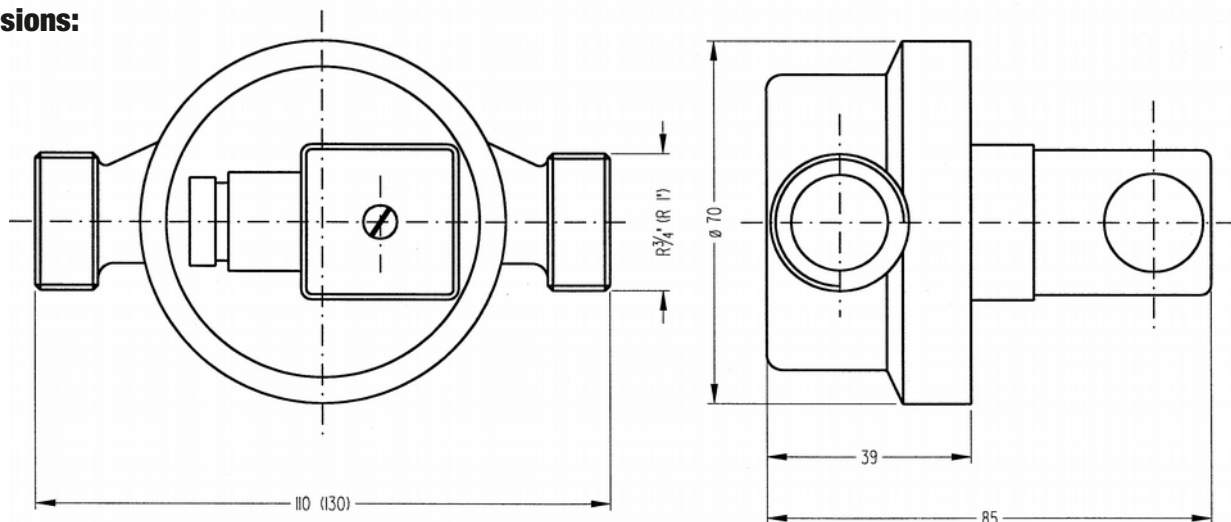
Output current: Max. 11 mA at 24 VDC

Mounting position: horizontal with plug on top,
flow direction of arrow

Weight: ca. 500 g

Protection class: IP65

Dimensions:



Order Code:

Order number: DR58. 1. P. 0

Brass paddle wheel flowmeter

Process connection / Measuring ranges:

1= G 3/4 male / 50...3000 l/h, 77,6 pulses/l
2= G 1 male / 100...5000 l/h, 45,6 pulses/l

Output signal:

P = Push-Pull (frequency output)
A = analogue output 4...20 mA
9 = prepared for control unit AZ50

Options:

0 = without
9 = please specify in plain text

Accessory:

AZ50 control unit with
comfortable display, analogue
output
switching points, etc.



AZ50 mounted on flow meter DR58