Turbine Wheel Flow Meter
for Liquids

Flow
Pressure
Level
Temperature
Measurement
Monitoring
Control

Model: ADI-K...

Model: KFC-1325

- Measuring range: 1-25 l/min. water
- Measuring accuracy: ± 5 f. s.
- $p_{max.}$ 20 bar; $t_{max.}$ 80°C
- Viscosity range: low viscosity
- Connection: G ⅜ male
- Material: polyamide
- Output: pulses
- Reasonably-priced
- Negligible pressure drop
- Direction of flow reversible

Model:
KFC...

Areas of Application

The model KFC turbine wheel flow meters is ideally suited for the economical measurement of flow rate.
The liquids must be transmissive for infrared light. The lightweight measuring body provides negligible resistance to the flow along with negligible pressure drop.

Applications

- Batching systems
- Drink vending machines
- Water filters
- Heating installations
- Spraying equipment

Method of Operation

The flow meter comprises a grilamide housing. The forced medium causes a vane to rotate, whereby the rotational speed is proportional to the flow rate.
Infrared sensors mounted on the opposite side of the housing produce a continuous signal, which is interrupted by the rotation of the vanes.
The resulting pulse signal can then be processed by the user.
The flow meter can be installed in any position. The direction of flow can be reversed.

Technical Specifications

Measuring range:	1 to 25 l/min H_2O (direction of flow reversible)
Measuring accuracy:	±5% f. s.
Repeatability:	±1%
Max. operating pressure:	20 bar
Max. operating temperature:	+2 to 80°C
Pressure loss:	100 mbar at 15 l/min 200 mbar at 25 l/min
'K' factor:	approx. 750 impulses per liter
Weight:	16 g
Mech. connection:	G ⅜ male
Supply:	5 VDC
Connection:	300 mm cable length

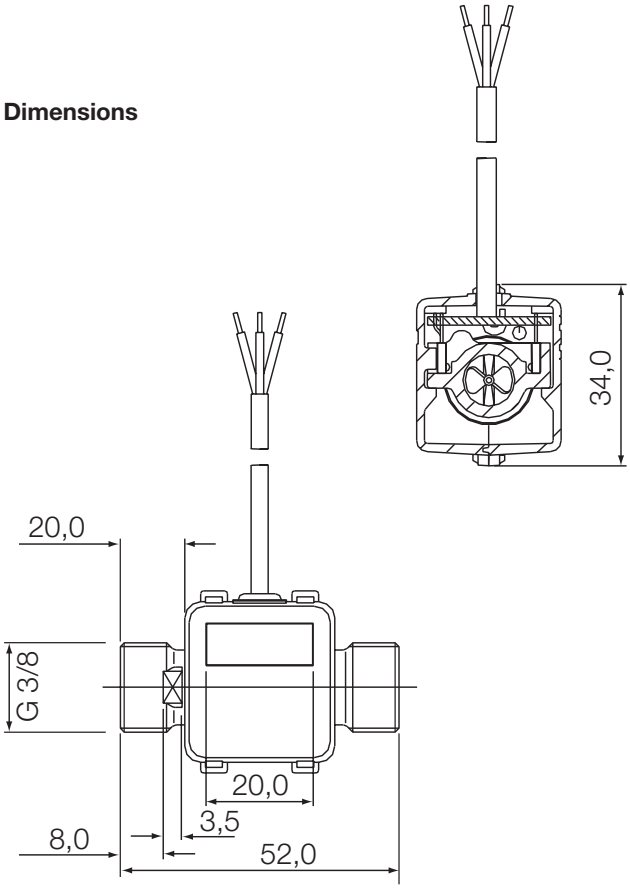
Materials

Housing:	Grilamide (polyamide 12)
Rotor:	18% PTFE with nylon
Axle:	St.St.
Bearing:	Grilamide (polyamide 12)

Pin Connections

Red cable:	+5 V
Green cable:	Output signal
Blue cable:	0 V

Dimensions



Order Details

Model	Connection	Measuring range	Pulse/l	Output frequency	$T_{max.}$	P_{max}
KFC-1325	G ⅜ male	1-25 l/min. water	750	750-18750 Hz	+2 to +80°C	20 bar

Digital indicators and transducers see end of brochure.