

## Flow transmitter/ pulse divider



- Microprocessor-controlled electronics
- 2-wire (4-20 mA) / 3-wire (NPN/PNP) - operation
- Pluggable to flow sensor 8020, 8030 or 8070
- Removable display unit

Type 8022 can be combined with...



Type 8020



Type 8030



Type 8070

The electronic module Type 8022 operates either as a flow transmitter (only with sensors pulse "Low Power" version Type 8020, 8030, 8070) or as a pulse divider (with all versions of sensors of Type 8020, 8030, 8070). The module operates the output of the sensors, displays the flow value and converts it to the signal output in mA or pulse.

In operation as a flow transmitter, the frequency signal of the sensor is converted in a 4 - 20 mA signal (2-wire operation).

In operation as a pulse divider, the input frequency is converted into an adjustable output frequency.

The use of the display unit allows the switching between the two modes.

### Technical data

<b>Power supply</b>	12 - 30 V DC
<b>Voltage tolerance</b>	±10 %
<b>Residual ripple</b>	< 5 %
<b>Power consumption</b>	< 200 mW
<b>Ambient temperature</b>	-10 to 60°C
<b>Frequency input</b>	1 - 600 Hz
<b>4 - 20 mA output</b>	Accuracy ±1.5% of full scale max. loop impedance: 1000 Ω at 30 V DC ; 700 Ω at 24 V DC; 100 Ω at 12 V DC
<b>NPN/PNP output</b>	Accuracy ±1% of measured value 1 - 600 Hz, "open collector", max. 50 mA
<b>Electrical connection</b>	Terminal strip 4 pins or male M12 connector
<b>Protection</b>	IP65
<b>Housing material</b>	Polyamide / PC

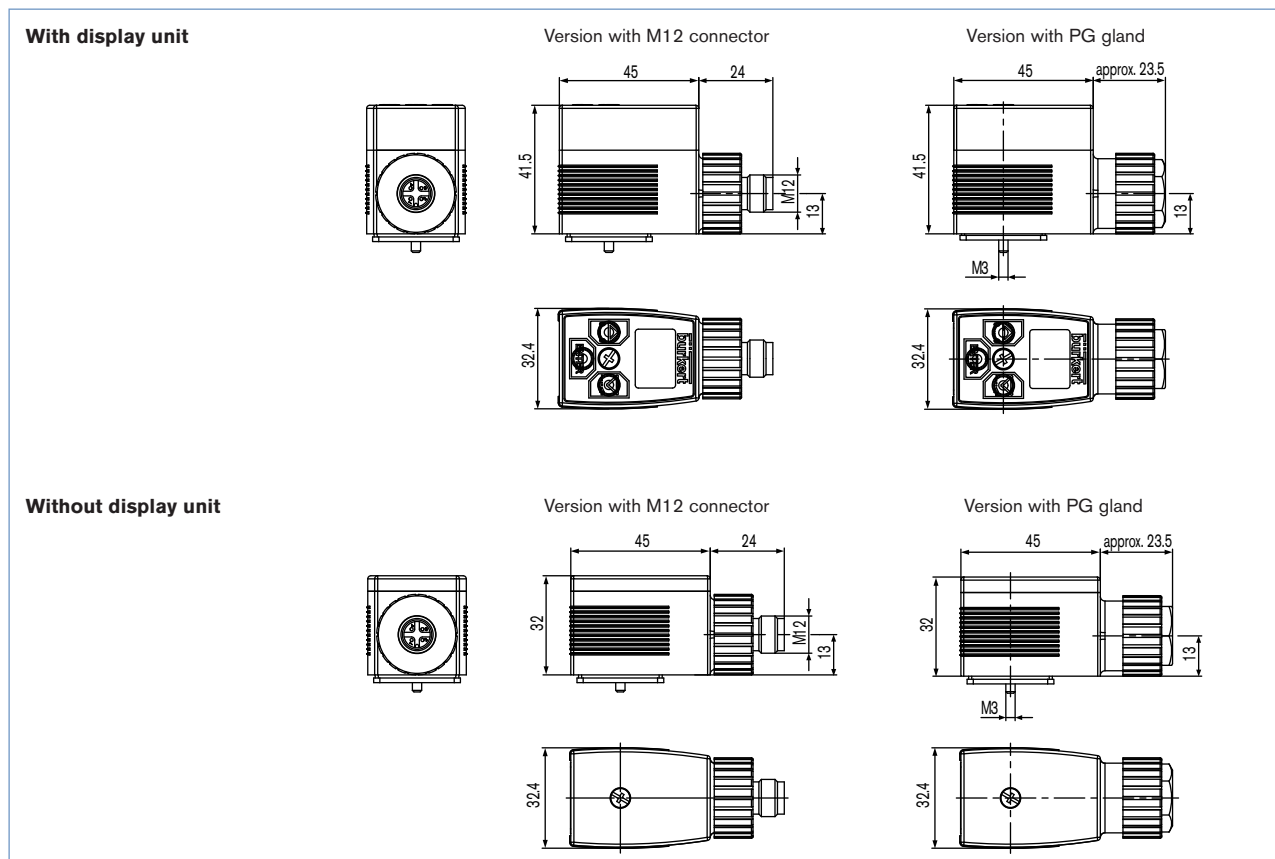
## Functions of the flow transmitter / pulse divider Type 8022

- Microprocessor-controlled electronics
- Transmitter operation: conversion of the input frequency into a 4 - 20 mA signal (2-wire operation)
- Scalable 4 - 20 mA signal
- Pulse divider operation: Transforms the input to an adjustable output frequency (3-wire operation)
- Displays the flow in a selectable unit
- Removable display unit (is only required to configure or to display)

## Ordering chart basic units and accessories

Version	Item no.
Flow transmitter / pulse divider Type 8022 without display unit, PG connection	215 644
Flow transmitter / pulse divider Type 8022 with display unit, PG connection	215 645
Flow transmitter / pulse divider Type 8022 without display unit, male M12 connector	215 646
Flow transmitter / pulse divider Type 8022 with display unit, male M12 connector	215 647
Display unit for Type 8022	562 876
Cover set (for operating without display unit)	670 549
Right-angle female M12 connector, 4 pins	784 301
Straight female M12 connector, 4 pins, with 5 m cable	918 038

## Dimensions [mm]



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In case of special application conditions,  
please consult for advice.

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