



# ST-01



## Analogue Transmitter for Variable Area Flowmeters from the SW series

## Features

/ Additional analogue signal

/ Easy solution

/ Economic

## Description:

The analogue transmitter ST-01 will be simply installed on the outside of a VA flowmeter. A hall-effect sensor detects the magnetic floaters position inside the measuring device and sends out an analog signal of 4...20 mA or 0...10 V. The signal can then be used by most common devices. The transmitter is installed and configured on new flowmeters from factory. It is available for any VA flowmeter of the SW-series (SW-01 to SW-08).

## Application:

The ST-01 Signal can be used e.g. for alarm functions. Its main task, however, is to forward the current flow value with the signal.



## Technical Specifications:

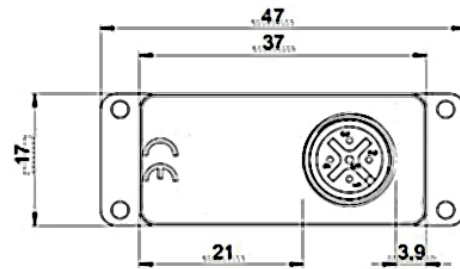
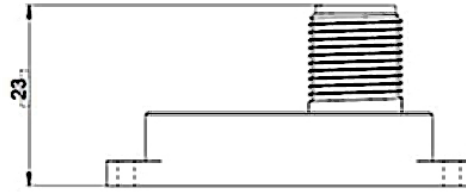
<b>Accuracy /</b>	± 1 % of full scale <sup>1</sup>
<b>Operating temp. /</b>	-20...70 °C
<b>Storage temp. /</b>	-20...80 °C
<b>Repeatability /</b>	tbd.
<b>Housing /</b>	aluminium, blue anodized (optional 1.4571)

<sup>1</sup> The actual accuracy depends on the flow sensor used.  
On request the accuracy of the flow sensor used can be significantly increased by a customized calibration.

## Electrical Specifications:

<b>Analog output /</b>	4...20 mA or 0...10 V
<b>Power supply /</b>	24 VDC (19...30 VDC)
<b>Power consumption /</b>	< 1 W
<b>Current output /</b>	max. load 600 Ω
<b>Power output /</b>	max. current 10 mA
<b>Connection /</b>	round plug M12x1, 5-wire
<b>Protection class /</b>	IP 65 & IP 67

## Dimensions in mm:



## Connections:



Attention: Pin 5 must not be electrically connected! We strongly recommend use of a four core cable.

## Ordering Codes:

<b>Order number</b>	<b>ST-01</b>
<b>ST-01 Analog transmitter</b>	