



IMA mini Flow Monitoring Unit

AREA OF APPLICATION

IMA mini – our flow monitoring unit/ flow electronic – is designed for industrial applications in particular. The **I**mpulse-**M**easuring-**A**nalysis unit is an all-inclusive device offering an enormous variety of features as well as an intuitive menu-driven handling and a robust housing while providing a very attractive price-performance-ratio.



■ **MADE**
■ **IN**
■ **GERMANY**

CHARACTERISTICS

- ▶ full color 1,7" TFT Display
- ▶ 4-key menu
- ▶ teach-in mode
(automatic calibration of the flow sensors)
- ▶ freely adjustable display units
- ▶ filter functions
- ▶ sum counter / totalizer (erasable)
- ▶ limit value monitoring
- ▶ SSR outputs (potential-free contact)
- ▶ protection rating: IP 65
- ▶ 2 NPN outputs (low-side-switch)

optional available:

- ▶ analog output
- ▶ analog input
- ▶ level monitoring (3 levels)
- ▶ 2 digital inputs (or second channel)
- ▶ display of a concentration index
- ▶ and much more ...

IMA mini^{COMFORT}

- flow display
- pre-selection counter / batch dosing
- suitable also as contact water meter
- volume meter / totalizer / counter
- limit value monitoring
- display with traffic light color logic
(red/yellow/green)
- 2 x potential-free contact outputs (SSR)
- 2 x digital inputs
(e.g. remote access, key lock etc.)
- 2 x NPN outputs
- variable allocation of the 4 outputs
(flow limits, sensor frequency, contact output, ...)

IMA mini^{ANALOG}

additional incl. analogue output signal :

- 4 ... 20 mA *(drain/source)*
- or
- 0 ... 10 V *(source)*
- 3-wire-system, limits freely scalable

IMA mini^{PRO}

all-inclusive version :

- SD memory card (data storage)
 - graphical chart of flow rates
 - concentration display
(connection of 2 flow meters possible)
- ... soon to come: computer program, USB, LAN, Ethernet-interfaces

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BRIEF DESCRIPTION

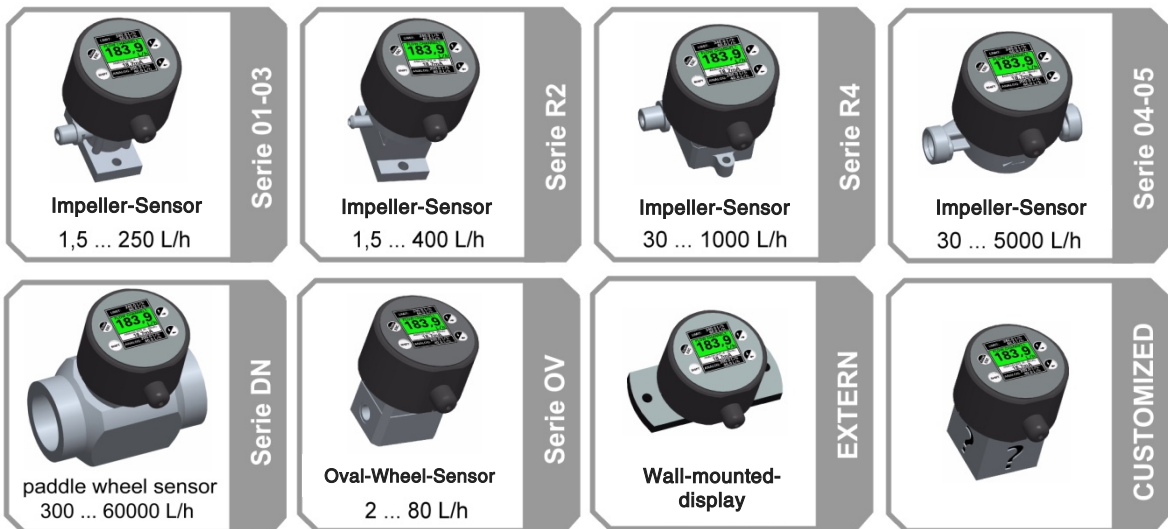
The IMA mini is designed as a flow display with limit value monitoring. Alternatively, the pre-selection counter can be selected as the basic function.

A 1.7" TFT (thin-film-transistor) display visualizes all values. Numerous values can be displayed simultaneously and in bright colors. The condition of the device is displayed with a traffic light color logic in real-time: normal (green), warning (yellow) or alarm condition (red).

The variety of analogue and digital inputs and outputs of the IMA mini provide the possibility to transmit data and conditions to other devices. Various interfaces enable easy data transport and communication with higher-level control systems.



The IMA mini can be mounted directly onto the flow meter or alternatively it is connected "remote" via a cable to the flow meter. Here are some examples:



	IMA mini ^{COMFORT} IMA mini ^{ANALOG}	IMA mini ^{PRO}
weight:	231 g	325 g
power supply:	24 VDC	24 Vdc

subject to changes and errors; issued: 24-Apr-18



(here incl. wall-mounting adapter)

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