Picomag
electromagnetic flowmeter

Smart magmeter for utilities – intuitive · convenient · multivariable

Benefits:
- Time-saving, easy configuration even in places difficult to reach – secure Bluetooth connection
- Fewer measuring points necessary – simultaneous flow, conductivity and temperature measurement
- Cost-efficient specialist for use in tight spaces e.g. skids – sensor and transmitter in one housing
- Quick offline configuration check – unique, comfortable knock functionality
- Simple device access through its whole lifecycle – no manual needed due to intuitive SmartBlue App
- Instant local process monitoring – large, user-friendly display of all measurement activities
- Flexible integration into all fieldbus systems – plug-and-play device with IO-Link

 Specs at a glance
- **Max. measurement error** Volume flow: +/-0.8% o.r. +/- 0.1% o.f.s
- **Measuring range** up to 750 l/min
- **Medium temperature range** -10 to 70°C (+14 to +158 °F)
  Permissible short-term temperature, maximum one hour: 85 °C (185 °F) Repetition after 4 hours at the earliest
- **Max. process pressure** 16 bar
- **Wetted materials** PEEK, Stainless Steel, FKM, EPDM Electrodes: 1.4404/316L

Field of application: Picomag is the economical magmeter for many applications in secondary circuits with conductive liquids in all industries.

from €465.00
Price as of 04.02.2024

More information and current pricing: [www.endress.com/DMA](http://www.endress.com/DMA)
End customers, skid builders, equipment manufacturers and system integrators value the space-saving Picomag for its flexible installation capabilities. Additionally, its future-oriented, intuitive operation via SmartBlue app on every Bluetooth-enabled smartphone or tablet ensures fast, secure and simple commissioning.

Features and specifications

**Liquids**

**Measuring principle**
Electromagnetic

**Product headline**
Smart magmeter for utilities – intuitive · convenient · multivariable.
Time-saving, easy configuration even in places difficult to reach – secure Bluetooth connection.
Ideal for process quality control and monitoring due to temperature and conductivity measurement in utilities.

**Sensor features**
Fewer measuring points necessary – simultaneous flow, conductivity and temperature measurement. Cost-efficient specialist for use in tight spaces e.g. skids – sensor and transmitter in one housing.
Empty pipe detection.

**Transmitter features**
Quick offline configuration check – unique, comfortable knock functionality. Simple device access through its whole lifecycle – no manual needed due to intuitive SmartBlue app. Effortless configuration of several devices – settings can be saved and loaded into other meters.
Flexible integration into all fieldbus systems – plug-and-play device with IO-Link.
Wireless remote access via Bluetooth SmartBlue app. IO-Link and various I/Os for all line-sizes. 1.4" TFT color display with backlight.

**Nominal diameter range**
DN15 to 50 (1/2 to 2")
**Liquids**

<table>
<thead>
<tr>
<th><strong>Wetted materials</strong></th>
<th>PEEK, Stainless Steel, FKM, EPDM</th>
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<tbody>
<tr>
<td>Electrodes</td>
<td>1.4404/316L</td>
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<tr>
<th><strong>Measured variables</strong></th>
<th>Volume flow, Temperature, Conductivity</th>
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<tr>
<td>temperature, maximum one</td>
<td>Repetition after 4 hours at the earliest</td>
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<td>hour:</td>
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| **Ambient temperature range**| -10 to 60 °C                      |

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<tr>
<th><strong>Sensor housing material</strong></th>
<th>1.4404/316L, Polycarbonate</th>
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<tr>
<th><strong>Transmitter housing material</strong></th>
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<tr>
<th><strong>Degree of protection</strong></th>
<th>IP 65/67</th>
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<th><strong>Display/Operation</strong></th>
<th>Integrated display, operation via SmartBlue app</th>
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Liquids

**Outputs**
- Current (4 to 20mA)
- Pulse
- Switch
- Voltage (2 to 10V)

**Inputs**
- Status

**Digital communication**
- IO-Link

**Power supply**
- 18 to 30V DC

**Product safety**
- cULus listing

**Hygienic approvals and certificates**
- Drinking water approvals: NSF

More information [www.endress.com/DMA](http://www.endress.com/DMA)