

# Product data sheet

Specifications



## Magnetic flow transmitter - mid-tier, certified for use in hazardous areas

IMT31A

### Main

Range of Product	Flow
Product or Component Type	Magnetic flowmeter transmitter
Device Application	To measure the flow of pressure for liquid, gas, steam
Market Segment	Chemical Agriculture Energy Food and beverage

### Complementary

Product Specific Application	To measure flow with water based chemical media To measure flow with sludge media Sanitary application Mining minerals and metals Heating
Communication port protocol	Hart protocol tolerance Modbus FOUNDATION fieldbus Profibus
Electrical conductivity	5 $\mu$ S/cm
Drift of the sensitivity	+/- 0.01 %
Output Type	Binary Current Pulsed output
Input type	Binary
Mounting location	Directly connect to the flow sensor Wall mounting
[Us] rated supply voltage	100...230 V AC 24 V DC 24 V AC/DC
Maximum power consumption in VA	7 VA AC
Maximum power consumption in W	4 W DC
Network and machine diagnosis type	Local counter Empty pipe detection Deposit on electrodes Short circuit Corrosion detection Temperature Gas bubbles detection Solid detection
Housing material	Aluminum polyester coated Stainless steel

## Environment

**Ambient air temperature for operation** -40...158 °F (-40...70 °C)

**Product Certifications** ATEX  
IECEX  
cFMus  
cCSAus

**Ambient Air Temperature for Storage** -49...149 °F (-45...65 °C)  
-40...149 °F (-40...65 °C)

## Offer Sustainability

**Sustainable offer status** Green Premium product

**California proposition 65** WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**REACH Regulation** [REACH Declaration](#)

**EU RoHS Directive** Compliant  
[EU RoHS Declaration](#)

**Mercury free** Yes

**RoHS exemption information** [Yes](#)

**China RoHS Regulation** [China RoHS declaration](#)

**Environmental Disclosure** [Product Environmental Profile](#)

**Circularity Profile** [End of Life Information](#)

**WEEE** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

## Recommended replacement(s)