

Product data sheet

Specifications



Magnetic flow transmitter - advanced diagnostics, hazardous areas certified

IMT33A

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	Food and beverage Pharmaceutical Chemical Power plant Paper and pulp
Product Specific Application	To measure flow with low conductivity media To measure flow with high solid media To measure flow with entrained air To measure flow with inhomogeneous media To measure flow with abrasive media To measure flow with corrosive media

Complementary

[Us] Rated Supply Voltage	100...230 V AC 24 V AC/DC 12...24 V DC
Maximum Power Consumption In Va	22 VA AC
Output Type	Binary Current Pulsed output
Maximum Power Consumption In W	12 W DC
Communication Port Protocol	Hart protocol tolerance Modbus FOUNDATION fieldbus
Electrical Conductivity	1 μ S/cm
Drift Of The Sensitivity	+/- 0.01 %
Input Type	Binary Current
Network And Machine Diagnosis Type	Local counter Empty pipe detection Deposit on electrodes Short circuit Corrosion detection Temperature Gas bubbles detection Partial filling detection Solid detection
Housing Material	Aluminum polyester coated Stainless steel
Mounting Location	Directly connect to the flow sensor Field mounting

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Environment

Ambient Air Temperature For Operation -40...149 °F (-40...65 °C)

Product Certifications ATEX
IECEX
FM
NEPSI
CSA
cCSAus

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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

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

Circularity Profile [End of Life Information](#)

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