

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	100230 V AC
	24 V AC/DC
	1224 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 μS/cm
Drift of the sensitivity	+/- 0.01 %
Input type	Binary
	Current
Network and machine diagnosis	Local counter
type	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	-40149 °F (-4065 °C)
Product Certifications	ATEX
	IECEx
	FM
	NEPSI
	CSA
	cCSAus
Ambient Air Temperature for Storage	-49149 °F (-4565 °C)
	-4065 °C (-40149 °F)



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Carbon footprint (kg CO2 eq, Total Life cycle)	630	
Environmental Disclosure	Product Environmental Profile	

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
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

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.