

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	
Product Specific Application	To measure flow with water based chemical media To measure flow with sludge media Sanitary application Mining minerals and metals Heating	

Complementary

[Us] rated supply voltage	100230 V AC 24 V DC 24 V AC/DC	
Maximum power consumption in VA	7 VA AC	
Output Type	Binary Current Pulsed output	
Maximum power consumption in W	4 W DC	
Communication Port Protocol	Hart protocol tolerance Modbus FOUNDATION fieldbus Profibus	
Electrical conductivity	5 μS/cm	
Drift of the sensitivity	+/- 0.01 %	
Input type	Binary	
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	
Mounting location	Directly connect to the flow sensor Wall mounting	

Environment

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

Ambient air temperature for operation	-40158 °F (-4070 °C)	
Product Certifications	ATEX IECEX cFMus 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 >

∇ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	299
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	