

Magnetic flow tube-demanding applications including corrosive, abrasive media

9700A

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	Pharmaceutical Chemical 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 Mining minerals and metals Oil and gas	
Device composition	liner in PFA (perfluoroalkoxy) liner in PTFE (polytetrafluoroethylene) liner in ETFE (ethylene tetrafluoroethylene) liner in polyurethane electrode in hastelloy electrode in stainless steel electrode in titanium electrode in tantalum electrode in platinium	

Complementary

Tube diameter	101200 mm 102000 mm 9.651219.2 mm 9.652032 mm	
Measurement accuracy	+/- 0.3 % of reading with IMT31A +/- 0.2 % of reading with IMT33A +/- 0.5 % of reading with IMT30A	
Drift of the sensitivity	+/- 0.01 %	
Name of test	Vibration Shocks	
Mounting support	Flange conforming to EN 1092-1 Flange conforming to ASME B16.5 Flange conforming to JIS	
Mounting location	Wall mounting (with IMT30A) Wall mounting (with IMT31A) Field mounting (with IMT33A)	

Environment

Ambient air temperature for operation	-40180 °C with PFA or PTFE liner for remote -40140 °C with PFA or PTFE liner for IMT33A -40120 °C with PFA or PTFE liner for IMT30A -40120 °C with PFA or PTFE liner for IMT31A -580 °C with hard rubber liner -560 °C with soft rubber liner -565 °C with polyurethane liner
Product certifications	CE ATEX FM CSA IECEX NEPSI
Standards	IEC 60529



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	
Total lifecycle Carbon footprint	504
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions

Use Again

○ Repack and remanufacture		
End of life manual availability	End of Life Information	
Take-back	No	