Product datasheet

Specifications

Ceramic magnetic wafer flow tube for use in aggressive media applications

8500A

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 Chemical Paper and pulp
Product specific application	Dosing Injection To measure flow with acid media To measure flow with alkaline media To measure flow with abrasive slurry media Mining minerals and metals
Device composition	liner in ceramic electrode in platinium electrode in cermet

Complementary

Tube diameter	2.5…100 mm 2.5…101.6 mm
Measurement accuracy	+/- 0.3 % of reading with IMT31A +/- 0.15 % of reading with IMT33A +/- 0.5 % of reading with IMT30A
Electrical conductivity	1 µS/cm
Drift of the sensitivity	+/- 0.01 %
Name of test	Vibration Shocks
Mounting support	Wafer conforming to EN 1092-1 Wafer conforming to ASME B16.5 Wafer conforming to JIS
Mounting location	Wall mounting (with IMT30A) Wall mounting (with IMT31A) Field mounting (with IMT33A)

Environment

Ambient air temperature for operation	-40…140 °C with compact version -40…180 °C with remote version
Product certifications	CE ATEX FM CSA IECEx NEPSI
Standards	IEC 60529

Environmental Data

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	381
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

Use Again

Repack and remanufacture

End of life manual availability	End of Life Information
Take-back	No