

Maxi-FlowSlide

accurate and maintenance free Solid Flow Meter



Properties

- ◆ flow measurement of free flowing from 150 - 300m³ per hour
- ◆ measurement nearly unaffected by grain size and bulk density
- ◆ excellent repeatability and accuracy
- ◆ factory pre calibration possible
- ◆ very low maintenance

Option

- ◆ Wear protection for heavy abrasive materials: Hardox
- ◆ Profibus interface
- ◆ MOD-Bus interface
- ◆ counting impulses / 4-20mA analogue output
- ◆ lower flow rate with FlowSlide700 or Baby-FlowSlide

Description

Inside the FlowSlide meter the product is running over a special curved slide. The product is generating a centripetal force directly proportional to the flow rate. Due to the special force transmission into the load cell, the measurement is almost unaffected by product density, grain size and friction. The FlowSlide system can be pre calibrated at factory.

Specification

Maxi FlowSlide

Enclosure

Aluminium, product exposed parts in stainless steel

Model	Modell 150	Modell 300
Measuring Range *		
	150m ³ /h	300m ³ /h
Dimensions		
height	1050 mm	
Depth	744 mm	
Width	1.030 mm	1.390 mm
Inlet	1360 cm ² 756 x 180 mm	2009 cm ² 1116 x 180 mm
Weight		
	230 kg	300 kg

* for other flow rates refer to FlowSlide700 or Baby-FlowSlide

Supply Voltage

via FlowSlide device, 5 VDC clock-circuited

Sensor

full bridge strain gauge
combined error 0.03%
protection class IP68, optional ATEX

Operating Conditions and Material Property

outside operating temperature -10°C unto +55°C. noncondens-
ing. The product should be free flowing and not tend to stick..

Accuracy

dependant on work environment and installation conditions
typical system accuracy +/- 0.5% of measuring range
repeatability +/- 0.2 %

Cleansing

compressed - air connection for energization and cyclic cleaning

Electronic FlowSlide

Enclosure

stainless steel, protection class IP67
wall or panel mounting

Dimensions

265 x 204 x 69mm (excl. clamp)

Weight

2.95kg

Display

colour display including trenddisplay
Kg/h, Σ kg (3 counters)
Fault message on display

Supply Voltage

110-240VAC with 50-60Hz or 12-28 VDC

Control Unit

membrane keyboard, numeric and function keys

User Language

German, English, Spanish, Russian, Turkish

Input

full bridge strain gauge
optional transistor input channel

optional Output

analogue output 4-20mA
counting impulses
transistor output channel
Profibus, ModBus TCP as Slave

Operating Conditions

operating temperature -10°C unto +40°C.

Product Variety

Product Code	Item
HW950/01500	Maxi-FlowSlide 150 incl. FlowSlide-Electronic
HW950/03000	Maxi-FlowSlide 300 incl. FlowSlide-Electronic
HW951/01500	Wear protection for product exposed parts against enhanced abrasiveness for MaxiFS150
HW951/03000	Wear protection for product exposed parts against enhanced abrasiveness for MaxiFS300
HW952/01500	ATEX Cleansing- elements for cleaning in explosion-proofed areas
HW990/00484	barrier component - for usage in explosion-proofed areas