

accurate and maintenance free Solid Flow Meter



Properties

- ◆ flow measurement of free flowing solids from 1 - 5 m³ per hour
- ◆ measurement nearly unaffected by grain size and bulk density
- ◆ excellent repeatability and accuracy
- ◆ factory pre calibration possible
- ◆ very low maintenance

Option

- ◆ coating of product touching (exposed) parts for heavy abrasive material
- ◆ Profibus interface
- ◆ MOD-Bus interface
- ◆ counting impulses / 4-20mA analogue output
- ◆ higher flow rate with FlowSlide700 and Maxi-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

Baby FlowSlide

Enclosure

Aluminium, product exposed parts in stainless steel

Model	Modell 05	Modell 09
Measuring Range *		
	1000 l/h	5000 l/h
Dimensions		
height	400 mm	
depth	348 mm	
width	250 mm	350 mm
inlet	36 cm ² 60 x 60 mm	93 cm ² 60 x 155 mm
Gewicht		
	19,5 kg	26,5 kg

* for other flow rates look at FlowSlide700 or Maxi-FlowSlide

Supply Voltage

via FlowSlide device, 5VDC 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 up to +55°C noncondensing
the products 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. clamps)

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 up to +40°C.

Product variety

Product Code	Item
HW950/00050	Baby-FlowSlide 05 inclusive FlowSlide-Electronic
HW950/00090	Baby-FlowSlide 09 inclusive FlowSlide-Electronic
HW951/00050	Coating of product exposed parts against enhanced abrasiveness for BFS05
HW951/00090	Coating of product exposed parts against enhanced abrasiveness for BFS09
HW951/00260	ATEX Cleansing- elements for cleaning in explosion-proofed areas
HW990/00484	barrier component - for usage in explosion-proofed areas