

## Baby-FlowSlide

accurate and maintenance free Solid Flow Meter



### Properties

- ◆ flow measurement of free flowing solids from 1 - 5 m<sup>3</sup> 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
- ◆ 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
<b>Measuring Range *</b>		
	1000 l/h	5000 l/h
<b>Dimensions</b>		
height	400 mm	
depth	348 mm	
width	250 mm	350 mm
inlet	36 cm <sup>2</sup> 60 x 60 mm	93 cm <sup>2</sup> 60 x 155 mm
<b>Weight</b>		
	19,5 kg	26,5 kg

\* for other flow rates refer to FlowSlide700 or Maxi-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 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 display of trend  
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	wear protection for product exposed parts against enhanced abrasiveness for BFS05
HW951/00090	wear protection for 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