Pendelwaage PW 200x100 8kg



The PW 200x100 is a small flat scale to measure weights up to 8 kg.

General

As in all DIGI SENS transducers, a vibrating wire sensor is used to convert the force/load into an electrical sianal. patented element is able to deliver a signal that can be directly processed creeping and other similar. The conditioning electroby a computer.

Application

Monitorina liauids, any powder or items in industrial machines or processes.

Description

The PW 200x100 is using DIGI SENS vibrating wire technology instead of a A temperature sensor is strain gauge.

high resolution.

The long-term stability is the temperature. very good, even under These frequency signals load, since no organic are measurement chain. An and can other benefit is



effects are reduced to the nic minimum.

The PW 200x100 delivers a be accessed over a serial 5V-TTL frequency signal, communication line. proportional to the measured load. The frequency is a square root function of the displacement. In most applications can be considered linear.

also integrated in the This technology offers an PW 200x100, providing a frequency proportional to

easy to transmit, material is involved in the immune to perturbations be that directly by any processor.

4W-MUX transforms these frequencies into a load. The load can then

Fit and function

The PW 200x100 can be fixed with four M3 screws on almost every ground plate. The directly integrated silent blocks uncouples the scale from the environment.

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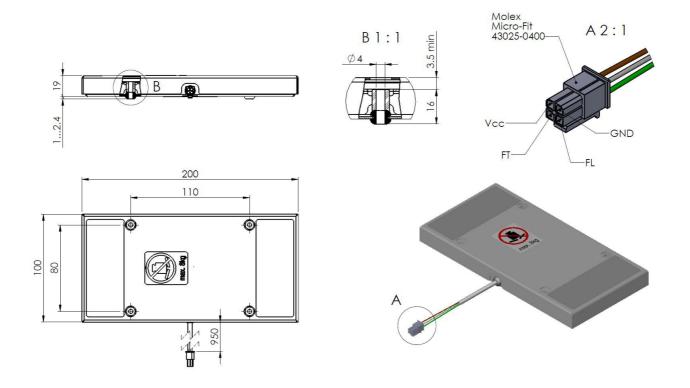


Technical Data

1. Technical specifications				3. Standards	
Capacity	8 kg	Length	200 mm	Protection	IP20
Overload capacity	100 %	Width	100 mm	Impact	IK09
Max error (1)	±100 g @≤4 kg ±2.5 % @>4 kg	Height	ca. 20 mm	Number of loadings	>10'000
		Weight	ca. 620g	Functional	+15 to +35 °C
Repeatability (2) (typical)	13g	Operational environment	Indoorusa	temperature range	
Resolution	1 g	2. Interface	Indoor use	Relative ≤98 % Air Humidity	not condensing
Temperature drift (3) (max)	±3 g/K @0 kg ±8 g/K @8 kg	Connector Molex Micro-Fi	it 43025-0400	Pollution degree	2
Zero point drift (3) (typical)	±40 g/year				

⁽¹⁾ Tested in the center and at room temperature, number of loadings included

Dimensional drawing



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 $^{^{\}mbox{\scriptsize (2)}}$ Tested at 4kg, in the center and at room temperature

⁽³⁾ Not included in the max error