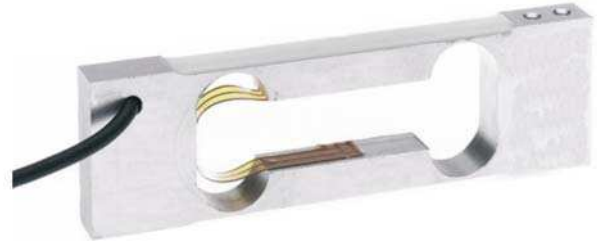


Single-Point Load Cell

with electrical output for platform applications



Description

Single-point load cells are especially designed to be used in platform weighing. Without additional construction or compensation tasks they can be mounted directly under the platforms.

An overload protection device can be easily included in the application design. A threaded hole is provided in the loading end of the load cell for this purpose.

This load cell has a measuring range from 0.3 kg up to 3kg. It is characterized by its exceptionally high accuracy. The small size and the special high aluminium alloy makes it ideal to use it for pharmaceutical scales.

The load cell is easy to handle due to its simple force introduction. It has to be rectangular to the load cells axle.

Note

The load cells are to be mounted on a level surface. The permissible load direction is marked by an arrow symbol.

Features

- For tension or compression force measurements
- Very high accuracy
- Small sizes
- Ideal for pharmaceutical scales
- For platform sizes up to 200 x 200 mm
- Special high aluminum alloy
- Overload protection prepares
- Protection type IP66 by two-layered surface protection

Measuring range

- 0.3 kg up to 3 kg

Applications

- Apparatus construction
- Laboratory
- Letter and analytical balances
- Measuring and control facilities
- Testing devices

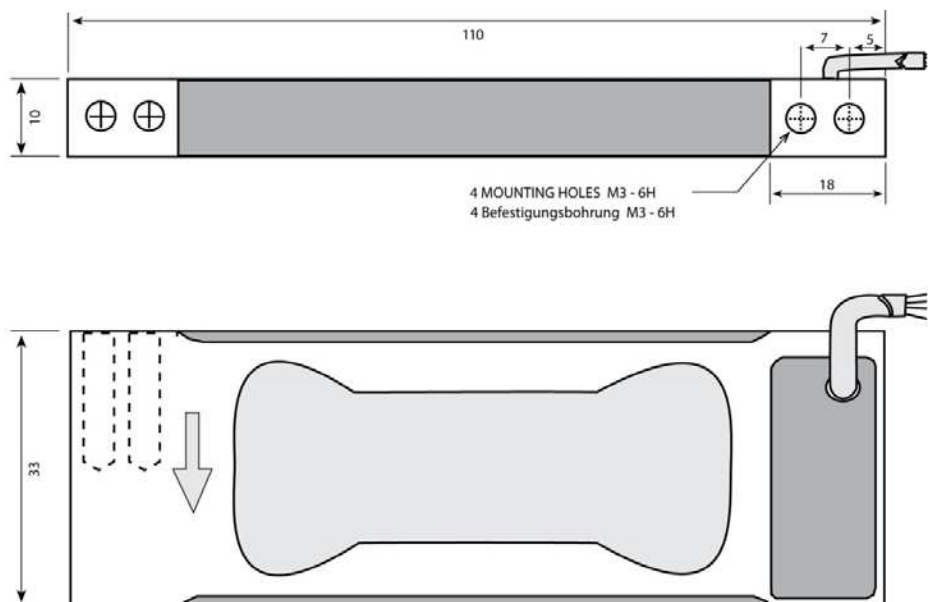
Model: F4234

Technical data

Model	F4234	Options
Nominal load [kg]	0.3 / 0.4 / 0.6 / 1.2 / 1.5 / 3	
Platform dimensions [mm]	200 x 200	
Limit load	150% F _{nom}	
Breaking load	250% F _{nom}	
Combined error	0.0067% of F.S.	
Creep after 2 min.	0.0055% of F.S.	
Nominal deflection	0.4 mm	
Nominal temperature range	+5...+45°C	
Service temperature range	-30...+70°C	
Temperature effect - Span	0.02% of F.S. / 10 K	
- Zero	0.04% of F.S. / 10 K	
Protection type EN 60 529 / IEC 529	IP 66	
Insulation resistance	>2 GΩ	
Analogue Output:		Cable amplifier 0 (4)...20 mA, 0...10 V
- Output Signal	0.9 mV/V ±0,1mV/V	
- Bridge resistance	Input: 415 ±20 Ω Output: 350 ±3 Ω	
- Zero	±004 mV/V	
- Power requirement	10 V (max. 15 V)	
- Electrical connection	4-conductor cable, 4 wire	
Material	Aluminum	

of F.S.= of Full Scale

Dimensions (in mm)



Electrical connection	Conductor marking
Supply voltage (-)	green
Supply voltage (+)	red
Signal (+)	black
Signal (-)	white

Subject of technical changes.