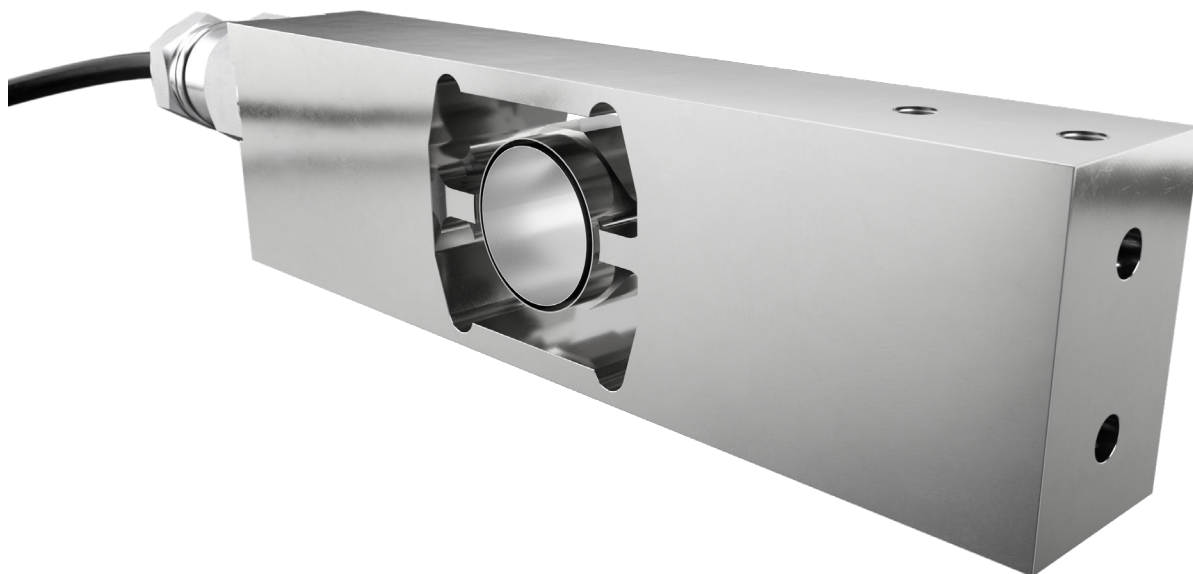


PC4 single-point load cell



product description

The PC4 is a high-accuracy, single-point load cell ideal for a wide variety of weighing tasks. Constructed entirely from stainless steel and hermetically sealed, it offers exceptional durability and environmental protection. The PC4 comes in four different capacity models ranging from 20kg through to 100kg.

The PC4 has both OIML and NTEP approval to a C3/III accuracy level, making it suitable for use in trade-approved applications. An electro-polished surface finish provides an added benefit for clean operations such as is found in the food and drug industries.

applications

Bench scales, platform scales, floor scales, conveyor scales, bag & bottle filling machinery and packaging systems.

approvals

OIML approval to C3 (Y=20,000)

NTEP approval to 5,000, Single Cell, Class III & 10,000, Single Cell, Class III

key features

Stainless steel construction

Capacities include 20kg, 50kg & 100kg models

Trade-approved accuracy (C3)

Hermetically sealed to IP68

For platform sizes of up to 500x400mm

Electro-polished surface finish

ATEX approval

accessories

Compatible range of hardware

Compatible range of electronics



RoHS
compliant



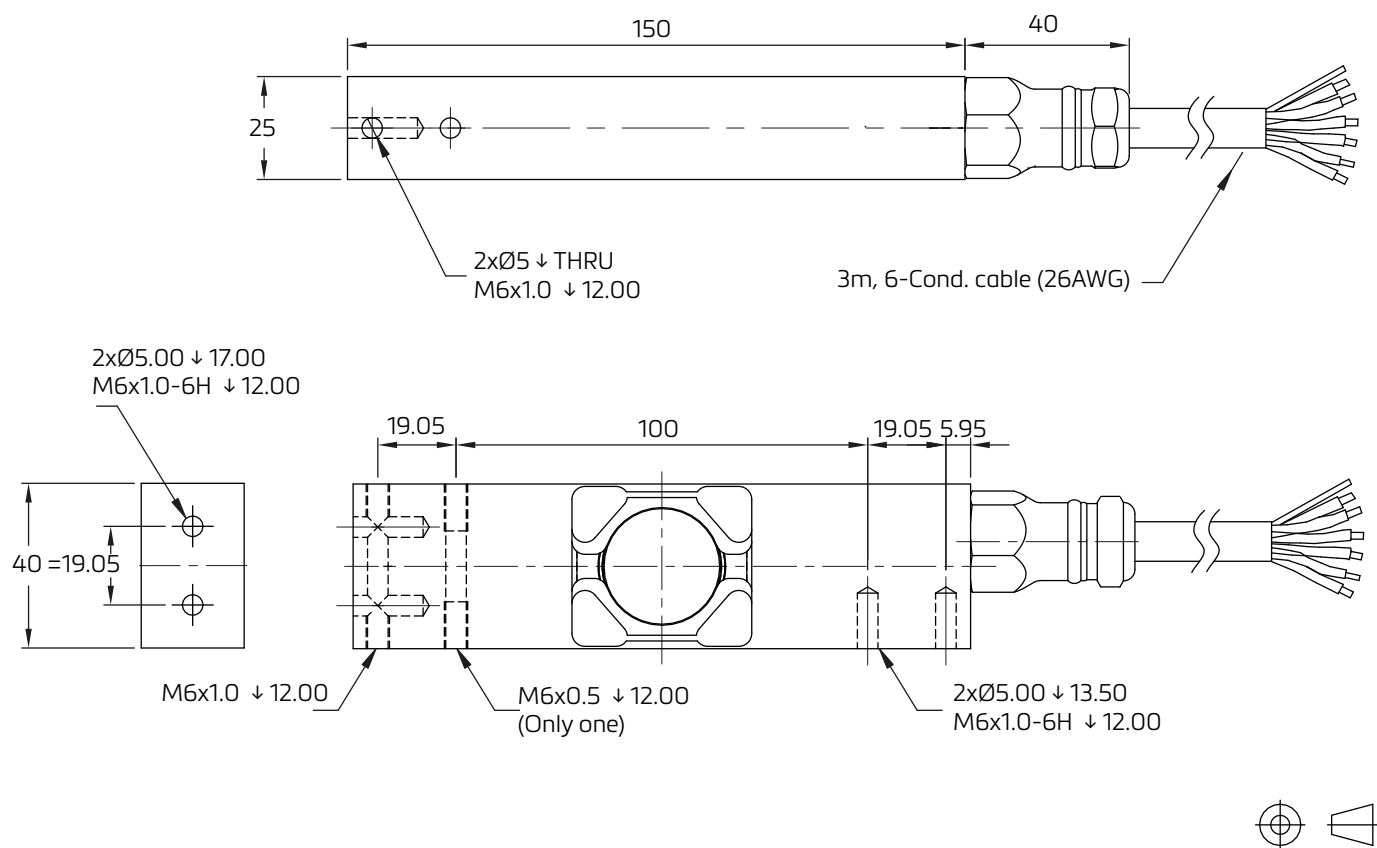
specifications

Maximum capacity ($E_{\max}$)	kg	20, 50, 100	
Accuracy class according to OIML R60	-	(GP)	C3
Maximum number of verification intervals ($n_{\max}$)	-	n.a.	3,000
Minimum load cell verification interval ($v_{\min}$)	-	n.a.	$E_{\max} / 10,000$
Temperature effect on minimum dead load output (TC_0)	%*RO/10°C	± 0.0400	± 0.0140
Temperature effect on sensitivity (TC_{RO})	%*RO/10°C	± 0.0200	± 0.0100
Combined error	%*RO	± 0.0500	± 0.0200
Creep error (30 minutes) / DR	%*RO	± 0.0600	± 0.0166
Non-linearity	%*RO	± 0.0400	± 0.0166
Hysteresis error	%*RO	± 0.0400	± 0.0166
Optional: Min. load cell verification interval ($v_{\min \text{ opt}}$)		n.a.	$E_{\max} / 20,000$
Optional: Temp. effect on min. dead load output ($TC_0 \text{ opt}$)	%*RO/10°C	n.a.	± 0.0070
Rated Output (RO)	mV/V	2 ± 0.2	
Zero balance	%*RO	5	
Excitation voltage	V	5...15	
Input resistance (R_{LC})	Ω	1,100 $\pm$ 50	
Output resistance (R_{out})	Ω	960 $\pm$ 50	
Insulation resistance (100 V DC)	M Ω	$\geq 5,000$	
Safe load limit (E_{lim})	%* $E_{\max}$	200	
Ultimate load	%* $E_{\max}$	300	
Safe side load	%* $E_{\max}$	100	
Compensated temperature range	°C	-10...+40	
Operating temperature range	°C	-40...+80	
Load cell material	-	Stainless steel 17-4 PH	
Sealing	-	Hermetic, glass to metal.	
Environmental protection	-	IP68	
Max platform size load according to OIML R76	mm	500x400	
Maximum off center distance at maximum capacity	mm	20kg = 200mm, 50kg & 100kg = 100mm	
Packet weight	kg	1.2	

The limits for Non-Linearity, Hysteresis, and TCRO are typical values.

The sum of Non-linearity, Hysteresis and TCRO meets the requirements according to OIML R60 with pLC=0.7

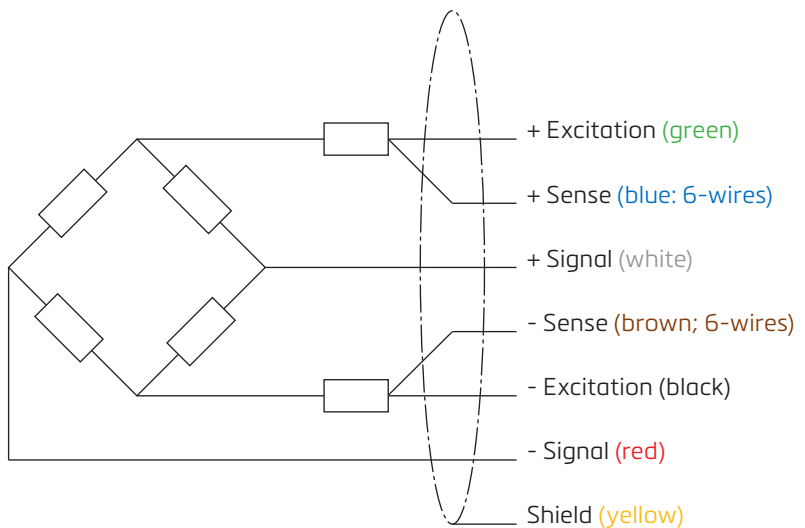
product dimensions (mm)



wiring

26AWG, 6-conductor cable.

Cable length: 3m



Specifications and dimensions are subject to change without notice.