



Short Description



- Nickel plated Alloy steel IP68 Compression Load Cell
- Hermetically sealed
- Integrated mounting solution with separate pressure piece and silicone rubber dust protection sleeves
- Self-aligning construction
- Suitable for weigh bridges
- High accuracy



Test certificate no. TC12734 Revision 0
C of C no R60/2017-A-NL1-24.03 Rev 0

Available Models

Capacity	Accuracy	Full Article Description
30t	C3	HM14H-C3-30t-16T
40t	C3	HM14H-C3-40t-16T

Technical Specifications HM14H-C3-xtt-16T

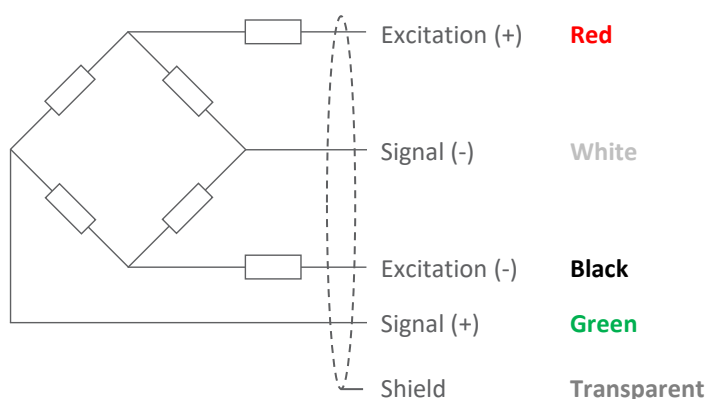
Accuracy Class		OIML R60 C3
Maximum Capacity (E_{max})	t	30, 40
Output Sensitivity (= FS)	mV/V	2 ± 0.02
Max. Number of Load Cell Intervals	n_{LC}	3000
Ratio of min. LC Verification Interval	$Y = E_{max} / v_{min}$	12000
Combined Error	%FS	$\leq \pm 0.02$
Creep Error (30 minutes)	%FS	$\leq \pm 0.025$
Temperature Effect on Zero (ZTC)	%FS/10°C	$\leq \pm 0.015$
Temperature Effect on Sensitivity (STC)	%FS/10°C	$\leq \pm 0.011$
Zero Balance	%FS	$\leq \pm 1.0$
Safe Overload	%FS	150
Ultimate Overload	%FS	200
Excitation, Recommended Voltage	V	5 ~ 12
Excitation, Maximum Voltage	V	18
Input Resistance	Ω	750 ± 20
Output Resistance	Ω	700 ± 7
Insulation Resistance (50V)	M Ω	≥ 5000
Compensated Temperature	°C	-10 ~ + 40
Operating Temperature	°C	-35 ~ + 65
Load Cell Weight	kg	8.4
Element Material		Alloy Steel
Surface Treatment		Nickel Plated
Ingress Protection (acc. to EN 60529)		IP68

Wiring

Features:

Cable type: Shielded, 4 conductor cable, conductor AWG 22
 Cable diameter: $\varnothing$ 5.6mm
 Cable length: 16m $\pm$ 0.1m (optional: 12m $\pm$ 0.1m)
 Cable jacket: PVC
 Shield not connected to element

4-Wire Connection Diagram

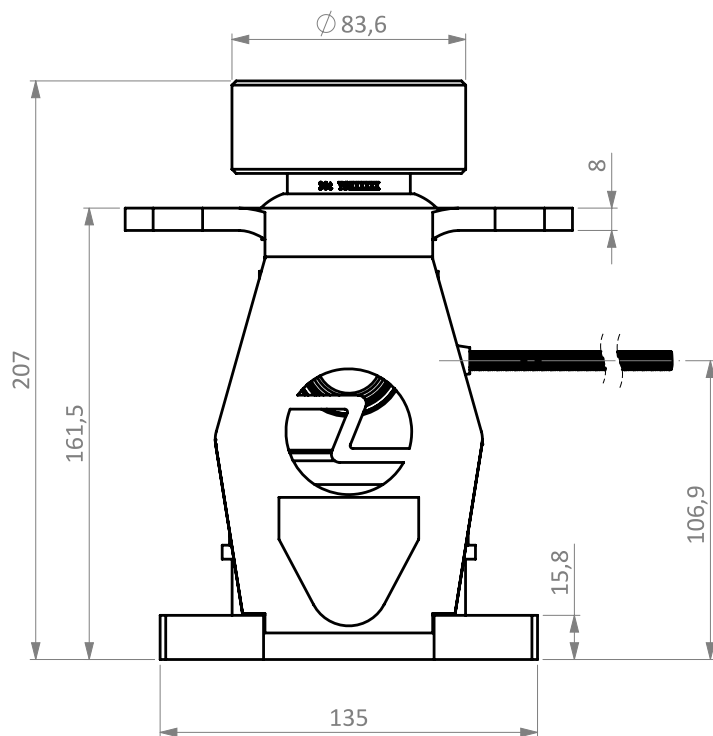


Specifications and dimensions are subject to change without notice and do not constitute any liability whatsoever.

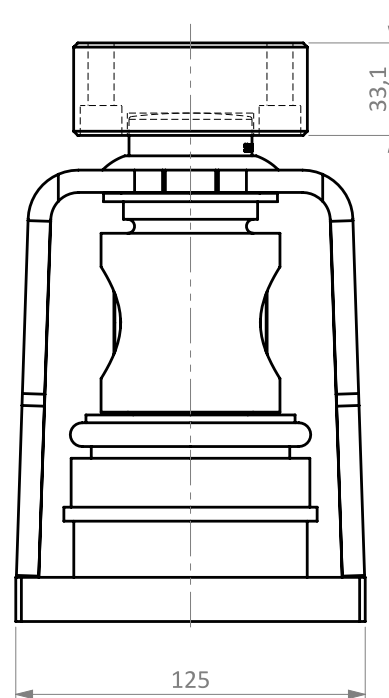
Type HM14H-C3-xxt-16T Load Cell

Dimensions in mm

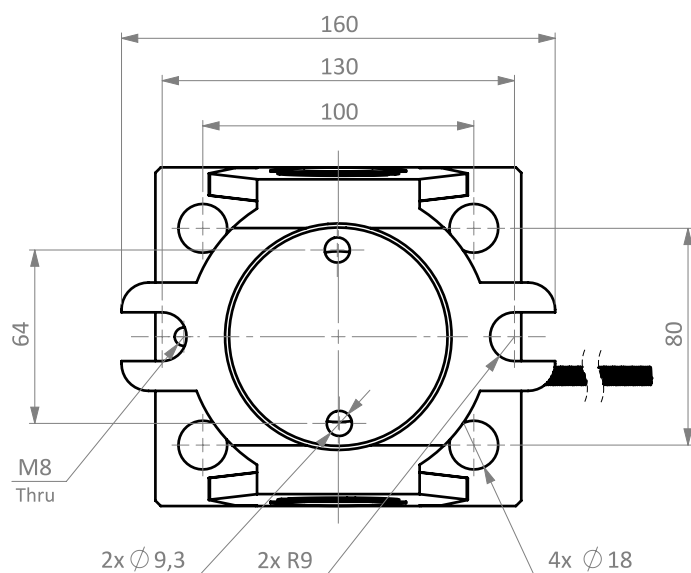
Front View



Side View



Top View



Isometric View

