HM14C



- Nickel plated alloy steel IP68 column shear load cell
- Hermetically sealed
- Suitable for truck, track, hopper and other electronic weighing devices
- High accuracy
- Protected against lightning surges
- Current calibrated (sc option)

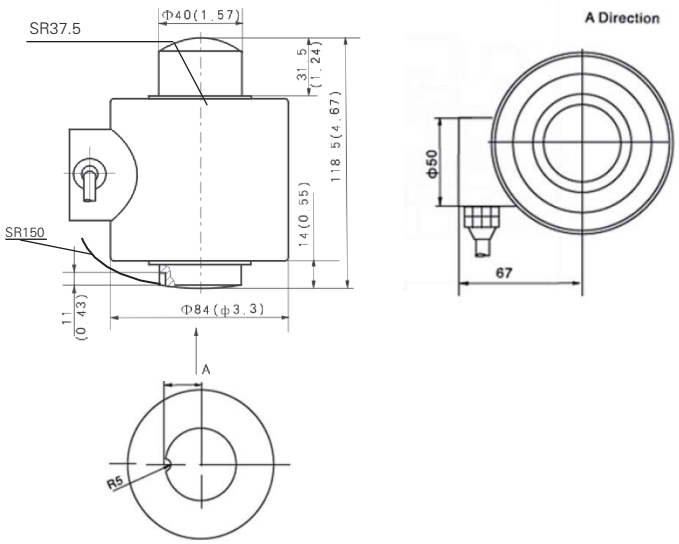
Available models

Capacity	Accuracy	Full article description
10t	C3	HM14C–C3–10t–13B6
20t	C3	HM14C–C3–20t–13B6
25t	C3	HM14C–C3–25t–13B6
30t	C3	HM14C–C3–30t–13B6
50t	C3	HM14C–C3–50t–13B6

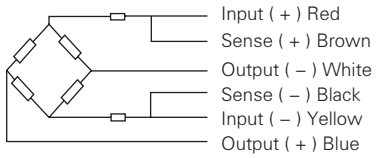
Specification

Accuracy class		C3		
Output sensitivity (= FS)	mV/V	1.5 ± 0.004		
Maximum capacity (Emax)	t	10/20/25/30/50		
Maximum number of load cell intervals (nLC)		3000		
Ratio of minimum LC verification interval Y = Emax / vmin		7500		
Combined error	%FS	± 0.023		
Minimum dead load	t	0		
Safe overload	%FS	150 %		
Ultimate overload	%FS	300 %		
Zero balance	%FS	± 1.0		
Excitation, recommended voltage	V	5 ~ 12(DC)		
Excitation maximum	V	18(DC)		
Input resistance	Ω	700 ± 7		
Output resistance	Ω	703 ± 4		
Insulation resistance	MΩ	⩾ 5000 (50VDC)		
Compensated temperature	℃	–10 ~+40		
Operating temperature	℃	–35 ~ +65		
Storage temperature	℃	–40 ~ +70		
Element material		Nickel plated alloy steel		
Ingress protection (according to EN 60529)		IP68		
ATEX classification (optional)		II1G Ex ia IIC T4	II1D Ex iaD 20 T73℃	II3G Ex nL IIC T4

Dimensions in mm



Wiring



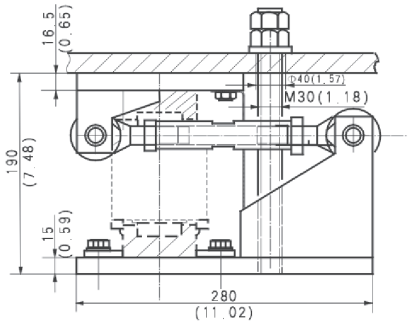
- Shielded, 6 conductor cable.
- Cable diameter: Φ6.3mm.
- Standard cable length: 13m.
- Shield not connected to element.

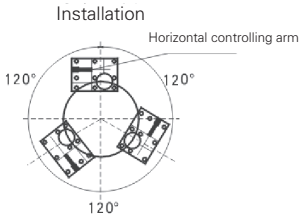
Accessories

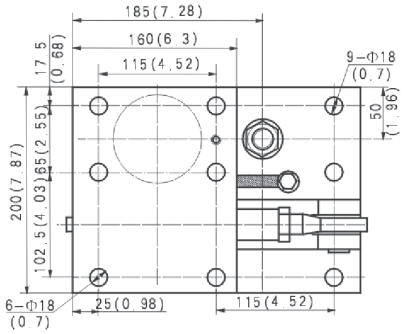
HM-14-401

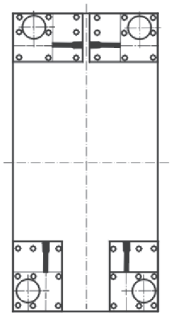
Alloy steel
Assembled with: BM14C, HM14C(without top plate and bottom plate)











Capacity	Part number
10t–50t	HM–14–401–10/50t

Short description

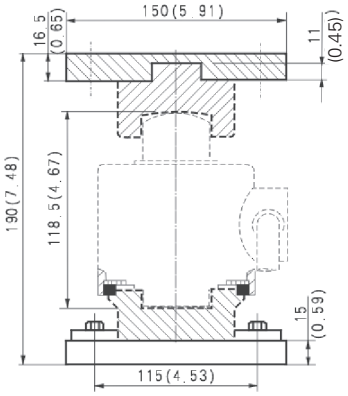
- Compact construction, easy installation
- With anti–reversal ability
- With horizontal locating ability
- With self–aligning ability

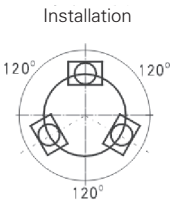
Specification	
Ultimate load	150%FS
Max.anti–rotation	50KN
Max.anti–side loading	50KN
Max.horizontal displacement	5.4mm

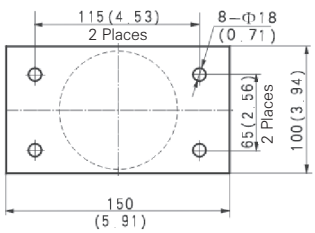
HM-14-403

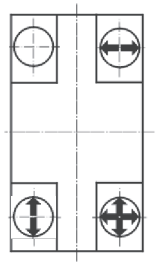
Alloy steel
Assembled with: BM14C, HM14C(without top plate and bottom plate)











Capacity	Part number
10t–50t	HM–14–403–10/50t

Short description

- Compact construction, easy installtion
- With self–aligning ability

Optional table		
Part number	Designation	Cutline
HM–14–403–1	Fixed	◯
HM–14–403–2	Half–floating	⇔
HM–14–403–3	Floating	✣