

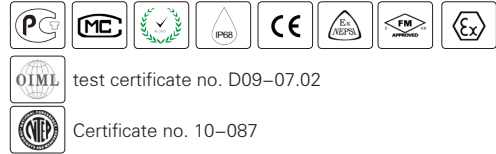
BM14K



- Stainless steel IP68 compression load cell
- Hermetically sealed
- Suitable for hopper scales and vehicle testing facilities
- Built in surge arrestors

Available models

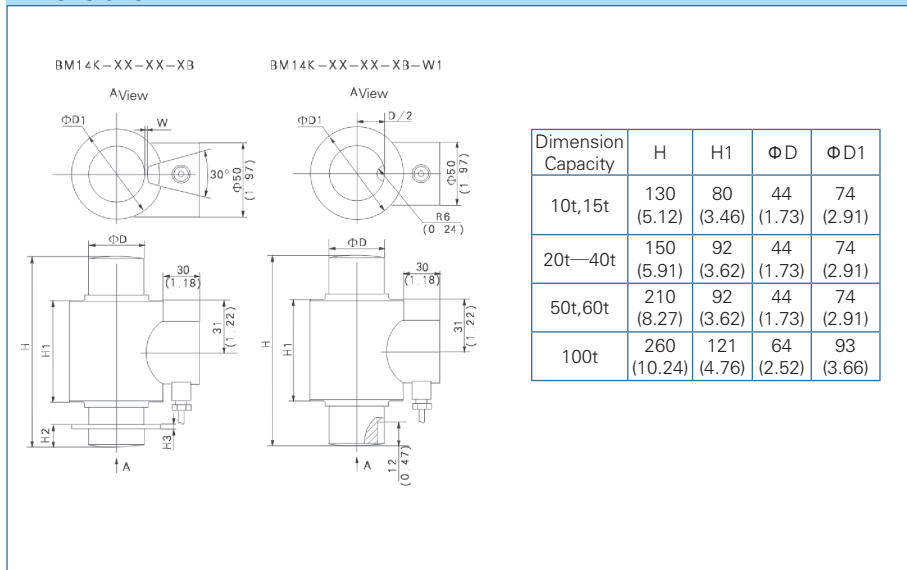
xxt	C3/A5M/B10M	BM14K-xx-xxt-xB6
10t-100t approved by PTB C3. NTEP A5M/B10M Certificate (10t-100t)		



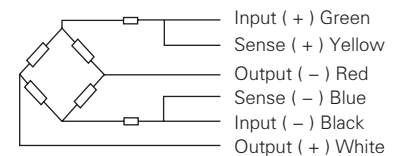
Specification

Maximum capacity (E _{max})	t	10/15/20/30/40/50/60/100			
		C3	C4	B10M	A5M
Accuracy class		C3	C4	B10M	A5M
Approvals		OIML R60 C3			
Maximum number of load cell intervals (nLC)		3000	4000	IIIL10000 Multiple	IIIL5000 Multiple
Ratio of minimum LC verification interval Y = E _{max} / v _{min}		10000	14000	10000	15000
Combined error	%FS	± 0.020	± 0.018	± 0.05	± 0.026
Creep	%FS/30min	± 0.016	± 0.012	± 0.04	± 0.017
Temperature effect on sensitivity	%FS/10°C	± 0.011	± 0.009	± 0.04	± 0.013
Temperature effect on zero	%FS/10°C	± 0.015	± 0.010	± 0.02	± 0.014
Output sensitivity (= FS)	mV/V	2.0 ± 0.002			
Input resistance	Ω	700 ± 7			
Output resistance	Ω	703 ± 4			
Insulation resistance	MΩ	≥ 5000(50VDC)			
Zero balance	%FS	± 1.0			
Compensated temperature	°C	-10 ~ +40			
Operating temperature	°C	-35 ~ +70			
Excitation, recommended voltage	V	5 ~ 12(DC)			
Excitation maximum	V	18(DC)			
Safe overload	%FS	150			
Ultimate overload	%FS	300			
ATEX classification (optional)		II1G Ex ia II1C T4		II1D Ex iaD20 T73°C	II3G Ex nL II C T4

Dimensions in mm



Wiring



- Shielded, 6 conductor cable.
- Cable diameter: Φ5.6mm
- Standard cable length for 10t - 30t: 12m,
- for 30t: 18m and for 40t - 100t: 20m.
- Shield not connected to element.

Note:

- BM14K-XX-XX-XB type is not suitable for the following countries: UK, France, Germany, Italy, The Netherlands.
- Users can choose different structures of BM14K products, or contact with ZEMIC sales representatives for further products information.