

# BM14K

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



## Available models

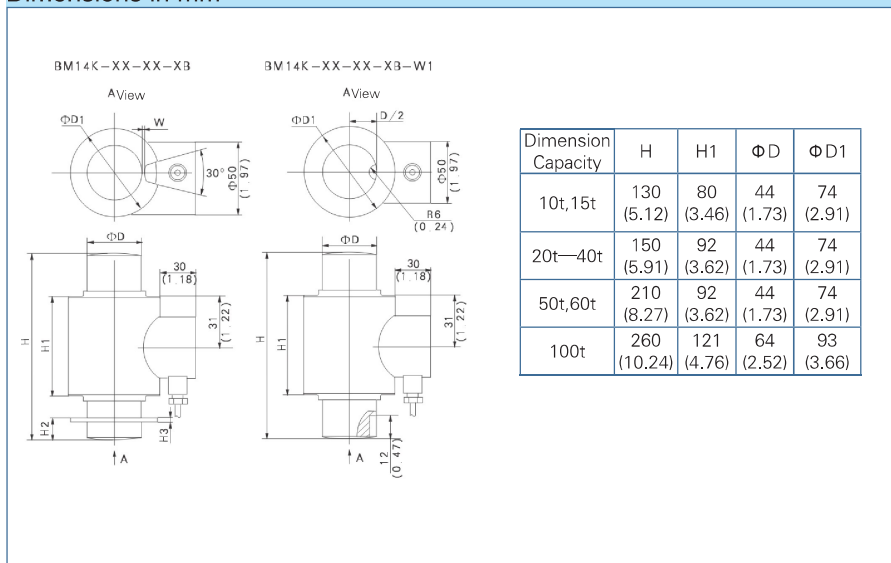
xxt	C3/A5M/B10M	BM14K-xx-xxt-xB6
10t-100t approved by PTB C3.		
NTEP A5M/B10M Certificate ( 10t-100t )		



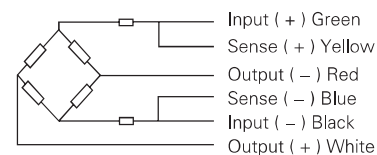
## Specification

Maximum capacity ( Emax )	t	10/15/20/30/40/50/60/100			
		C3	C4	B10M	A5M
Accuracy class		OIML R60 C3			
Approvals		3000	4000	IIIL10000 Multiple	III5000 Multiple
Maximum number of load cell intervals ( nLC )		10000	14000	10000	15000
Ratio of minimum LC verification interval Y = Emax / vmin		± 0.020	± 0.018	± 0.05	± 0.026
Combined error	%FS	± 0.016	± 0.012	± 0.04	± 0.017
Creep	%FS/30min	± 0.011	± 0.009	± 0.04	± 0.013
Temperature effect on sensitivity	%FS/10°C	± 0.015	± 0.010	± 0.02	± 0.014
Temperature effect on zero	%FS/10°C	2.0 ± 0.002			
Output sensitivity ( = FS )	mV/V	700 ± 7			
Input resistance	Ω	703 ± 4			
Output resistance	Ω	≥ 5000(50VDC)			
Insulation resistance	MΩ	± 1.0			
Zero balance	%FS	-10 ~ +40			
Compensated temperature	°C	-35 ~ +70			
Operating temperature	°C	5 ~ 12(DC)			
Excitation, recommended voltage	V	18(DC)			
Excitation maximum	V	150			
Safe overload	%FS	300			
Ultimate overload	%FS	II1G Ex ia II1C T4			
ATEX classification (optional)		II1D Ex iaD20 T73°C		II3G Ex nLc 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.