



Load Cell

B84-C3 (BM11)

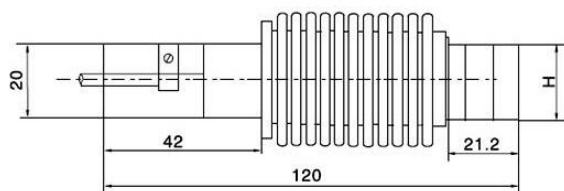
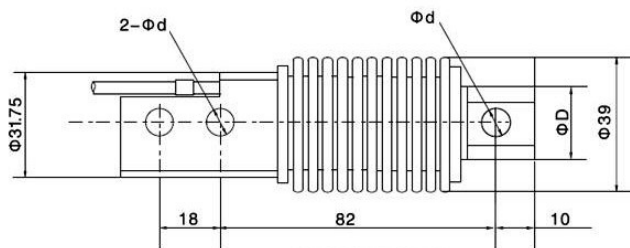
Capacities: 10, 20, 30, 50, 100, 200, 250, 350, 500 kg.



Characteristics:

- For tension and compression
- Parallel connection with other load cells possible
- Simple mounting
- Mounting accessories available as option
- Load cell made of stainless steel (17-4PH)
- Sensitivity 2.00 mV/V
- Accuracy class C3 (OIML R60)
- Environmental protection IP 68

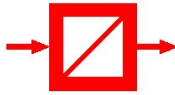
Dimensions:



Capacity [kg]	Dimensions [mm]		
	d	D	H
10 / 20 / 30 / 50 / 100 / 200	8,2	23	20
250 / 350 / 500	10,3	24	19

Dimensions in mm.

Cable Diameter max. 5 mm, Cable Length 3 m (4-wire) or 6 m (6-wire).



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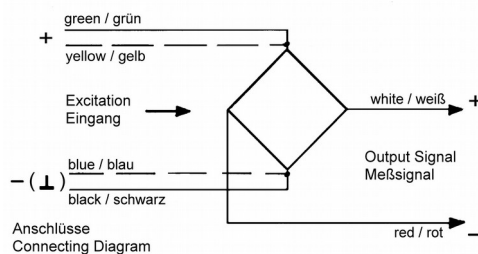
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Technical Specifications:

Capacity	(E_{max})	[kg]	10, 20, 30, 50, 100, 200, 250, 350, 500.
Accuracy Class			C3 (OIML R60)
Maximum Number of Load Cell Intervals	(n_{LC})		3000
Minimum Load Cell Verification Interval	(V_{min})	[% of E_{max}]	7
Sensitivity	(C_n)	[mV/V]	2.00 ± 0.02
Non-Linearity	(d_{lin})	[% of C_n]	≤ 0.018
Zero Balance		[% of C_n]	≤ 1
Temperature Effect on Zero Balance	(TC_0)	[%C/10K]	≤ 0.0125
Temperature Effect on Sensitivity	(TC_C)	[%C/10K]	≤ 0.008
Minimum Dead Load		[% of E_{max}]	0
Safe Load Limit	(E_{lim})	[% of E_{max}]	150
Breaking Load	(E_d)	[% of E_{max}]	300
Deflection at E_{max}		[mm]	≤ 0.30
Creep (over 30 Minutes)		[% of C_n]	≤ 0.0188
Zero Return after 30 Minutes		[% of C_n]	≤ 0.0188
Excitation		[V]	5 ... 12
Input Resistance	(R_{LC})	[Ω]	460 ± 50
Output Resistance	(R_{OUT})	[Ω]	350 ± 3.5
Insulation Resistance		[M Ω]	> 5000 (at 50V DC)
Nominal Temperature Range		[$^{\circ}$ C]	-10 ... +40
Service Temperature Range		[$^{\circ}$ C]	-35 ... +65
Storage Temperature Range		[$^{\circ}$ C]	-40 ... +70
Material of Load Cell			Stainless Steel (17-4PH)
Certification according to ATEX (Ex)	optional		II1G Ex ia II1C T4 / II1D Ex iaD 20 T73 $^{\circ}$ C / II3G nL IIC T4
Protection Class to EN 60 529			IP68

Cable/Connections:

- 4-wire cable, 3 m long
or 6-wire cable, 6 m long;
- Cable screened, screen not connected to load cell body;
- Cable diameter approx. 5 mm;
- Wires' ends stripped and tinned.



Excitation +	green
Sense +	yellow
Excitation -	black
Sense -	blue
Signal +	white
Signal -	red

Optional Accessories:



Load cell junction box, model AK,
IP65 stainless steel housing



Load cell connection cable,
4-wire or 6-wire, screened

Further weighing technology (e. g. weighing controllers) on www.gbuettner.de.