



## Weighing Module

# B-DJ-M6

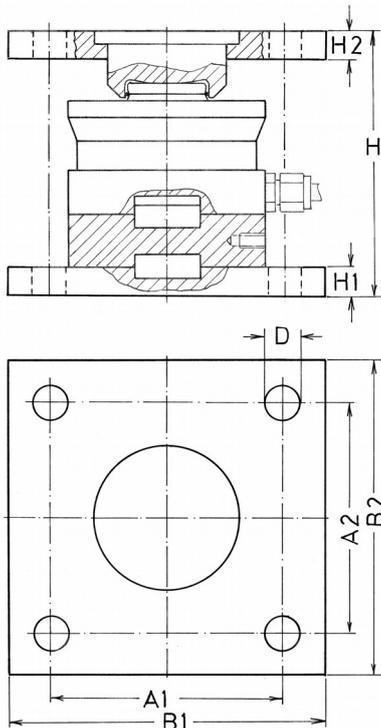
Capacities: 1, 2.2, 3.3, 4.7, 10, 15, 22, 33, 47, 68, 100, 150, 220 t.



### Merkmale:

- Compact design
- Aligned mounting holes in head and base plate
- Optimised force transmission from head plate to load cell
- Load cell made of stainless steel (17-4PH)
- Sensitivity 2.85 mV/V
- Accuracy class C3 (10-47t), 0.02% (other capacities)
- Environmental protection IP 68

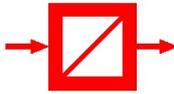
### Dimensions:



Capacity [t]	Dimensions [mm]				
	H	B1=B2	A1=A2	H1=H2	D
1/2.2/3.3/4.7	97	90	70	8	9
10 / 15 / 22	105	100	75	10	11
33	132	120	90	12	13
47	155	165	130	15	17
68	165	165	130	15	17
100	197	200	150	20	21.5
150	207	200	150	20	21.5
220	265	305	225	25	21.5

Dimensions in mm.

Cable Diameter max. 5 mm, Cable Length 8 m (1-4.7t) and 12 m (10-47t) and 16 m (68-220t), 4-wire.



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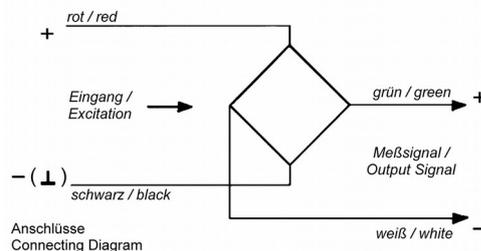
*Technical Specifications:*

Used Load Cell: B-DJ

Capacity	(E <sub>max</sub> )	[t]	1–4.7, 68–220;	10–47.
Accuracy Class			0.02%	C3 (OIML R60)
Maximum Number of Load Cell Intervals	(n <sub>LC</sub> )		3000	
Minimum Load Cell Verification Interval	(V <sub>min</sub> )	[% of E <sub>max</sub> ]	0.01	
Sensitivity	(C <sub>n</sub> )	[mV/V]	2.85 ± 0.02	
Non-Linearity	(d <sub>lin</sub> )	[% of C <sub>n</sub> ]	≤ 0.02	≤ 0.018
Zero Balance		[% of C <sub>n</sub> ]	≤ 1	
Temperature Effect on Zero Balance	(TC <sub>0</sub> )	[%C/10K]	≤ 0.02	
Temperature Effect on Sensitivity	(TC <sub>C</sub> )	[%C/10K]	≤ 0.02	
Minimum Dead Load		[% of E <sub>max</sub> ]	0	
Safe Load Limit	(E <sub>lim</sub> )	[% of E <sub>max</sub> ]	150	
Breaking Load	(E <sub>d</sub> )	[% of E <sub>max</sub> ]	300	
Deflection at E <sub>max</sub>		[mm]	≤ 0.30	
Creep (over 30 Minutes)		[% of C <sub>n</sub> ]	≤ 0.02	≤ 0.017
Zero Return after 30 Minutes		[% of C <sub>n</sub> ]	≤ 0.02	≤ 0.017
Excitation		[V]	5 ... 15	
Input Resistance	(R <sub>LC</sub> )	[Ω]	1450 ± 50	
Output Resistance	(R <sub>OUT</sub> )	[Ω]	1405 ± 5	
Insulation Resistance		[MΩ]	> 5000 (at 50V DC)	
Nominal Temperature Range		[°C]	-10 ... +40	
Service Temperature Range		[°C]	-30 ... +70	
Storage Temperature Range		[°C]	-40 ... +75	
Material of Load Cell			Stainless Steel (17-4PH)	
Material of Other Parts			either Stainless Steel or Galvanised Steel	
Protection Class to EN 60 529			IP68	

*Cable/Connections:*

- 4-wire cable, 8 m (1-4,7t) and 12 m (10-47t) and 16 m (68-220t) long;
- Cable screened, screen not connected with load cell body;
- Cable diameter approx. 5 mm;
- End of wires stripped and tinned.



Excitation +	red
Excitation -	black
Signal +	green
Signal -	white

*Optional Accessories:*



Load Cell Junction Box, Model AK,  
Stainless Steel Housing IP65



Load Cell Connection Cable,  
4-wire or 6-wire, screened

More Weighing Technology (e .g. load cells, weight indicators, weighing amplifiers) on [www.gbuettner.de](http://www.gbuettner.de).