



688-e

## Miniature Load Cells, Model Series MWZ

MWZ3 / MWZ50

Type	MWZ3	MWZ50
<ul style="list-style-type: none"> <li>- Extremely low profile</li> <li>- Suitable for the construction of flat scales or control modules, can also be used in the security technology sector</li> <li>- Load Cells made of galvanised steel</li> <li>- Principle of half bridge, 3-wire technology</li> </ul>		
<b>Capacity (E<sub>max</sub>)</b> [kg]	3	50
<b>Accuracy</b> [%]	0.1	0.2
<b>Sensitivity (C<sub>N</sub>)</b> [mV/V]	1 ± 0.15	1 ± 0.15
<b>Non-Linearity</b> [% C <sub>N</sub> ]	0.1	0.2
<b>Zero Tolerance</b> [% C <sub>N</sub> ]	0.5	0.5
<b>Temp. Effect on Zero</b> [%C/10K]	0.05	0.1
<b>Temp. Effect on C<sub>N</sub></b> [%C/10K]	0.05	0.1
<b>Minimum Dead Load</b> [% E <sub>max</sub> ]	0	0
<b>Safe Overload</b> [%]	120	120
<b>Breaking Load</b> [%]	150	150
<b>Creep (30 Min.)</b> [% C <sub>N</sub> ]	0.1	0.1
<b>Zero Return (30 Min.)</b> [% C <sub>N</sub> ]	0.1	0.1
<b>Excitation</b> [V]	3 ... 10	3 ... 10
<b>Input Resistance</b> [Ω]	1000 ± 10	1000 ± 10
<b>Output Resistance</b> [Ω]	1000 ± 10	1000 ± 10
<b>Insulation Resistance</b> [MΩ]	> 5000	> 5000
<b>Temperature Range</b> [°C]	-10 ... +40	-10 ... +40
<b>Material</b>	Galvanised Seel	Galvanised Seel
<b>Protection Class</b>	IP 65	IP 65
<b>Dimensions Floorprint</b> [mm]	20 x 20	34 x 34
<b>Height max.</b> [mm]	5.5	10
<b>Cable Length</b> [cm]	40	40
<p>A scale consists of a group of 4 Miniature Load Cells in a half bridge circuit. The Load Cells within a group are a selected match.</p> <p>Schaltungsprinzip einer Gruppe / Circuit Diagram of a Group</p>		