

SIMONA

BAN HING HOLDING SDN BHD

LOAD CELLS



MTA / MTS Series
S-Type Load Cell



MFG Series
Tool Steel Bridge Cells



MBS Series
Tool Steel Single Ended
Beam Load Cells



MXL Series
Tool Steel Single Ended
Beam Load Cells



MPD Series
High Grade Tool Steel Low
Profile Disk Load Cells

MODEL	MTA	MTS	MFG	MBS	MXL	MPD
CAPACITY	50,100,150, 250kg	500lb,1k,2k,3k, 5k,10k,20klb, 500,1000,2000, 5000,10000kg	25t / 30t	250,500, 1k,2k,4k,10k,20klb, 500,1000,2000, 5000,10000kg	20t	25k,50k,100klb
SENSITIVITY	3± 0.01%		2± 0.01%	3± 0.01%	2± 0.01%	4mV/V ± 0.01%
ZERO BALANCE	< 2% of Full Scale		< 2% of Full Scale	< 2% of Full Scale	< 2% of Full Scale	< 2% of Full Scale
CREEP (1 HOUR)	< 0.03% of Full Scale		< 0.03% of Full Scale	< 0.03% of Full Scale	< 0.03% of Full Scale	< 0.03% of Full Scale
NON-LINEARITY	< 0.03% of Full Scale		< 0.02% of Full Scale	< 0.03% of Full Scale	< 0.03% of Full Scale	< 0.03% of Full Scale
HYSTERESIS	< 0.03% of Full Scale		< 0.03% of Full Scale	< 0.03% of Full Scale	< 0.03% of Full Scale	< 0.03% of Full Scale
REPEATABILITY	< 0.02% of Full Scale		< 0.02% of Full Scale	< 0.02% of Full Scale	< 0.02% of Full Scale	< 0.02% of Full Scale
TEMPERATURE EFFECT ON OUTPUT	< 20 PPM/°C of Applied Load		< 20 PPM/°C of Applied Load	< 20 PPM/°C of Applied Load	< 20 PPM/°C of Applied Load	< 20 PPM/°C of Applied Load
TEMPERATURE EFFECT ON ZERO	< 20 PPM/°C of Applied Load		< 20 PPM/°C of Applied Load	< 20 PPM/°C of Applied Load	< 20 PPM/°C of Applied Load	< 20 PPM/°C of Applied Load
OPERATING TEMPERATURE RANGE	-20°C to 60°C		-20°C to 60°C	-20°C to 60°C	-20°C to 60°C	-20°C to 60°C
COMPENSATED TEMPERATURE RANGE	-10°C to 50°C		-10°C to 50°C	-10°C to 50°C	-10°C to 50°C	-10°C to 50°C
SAFE OVERLOAD	1.5 x Capacity		1.5 x Capacity	1.5 x Capacity	1.5 x Capacity	1.5 x Capacity
INPUT IMPEDANCE	400 ± 10 Ohms		770 ± 10 Ohms	400 ± 10 Ohms	400 ± 10 Ohms	400 ± 10 Ohms
OUTPUT IMPEDANCE	350 ± 5 Ohms		770 ± 5 Ohms	350 ± 3 Ohms	350 ± 5 Ohms	350 ± 5 Ohms
INSULATION RESISTANT	> 2,000 Meg- Ohms		> 5,000 Meg- Ohms	> 2,000 Meg- Ohms	> 2,000 Meg- Ohms	> 5,000 Meg- Ohms
RECOMMENDED EXCITATION	10 V DC/AC		10 V DC/AC	10 V DC/AC	10 V DC/AC	10 V DC/AC
MAXIMUM EXCITATION	15 V DC/AC		15 V DC/AC	15 V DC/AC	15 V DC/AC	15 V DC/AC
CABLE LENGTH	6 m/ 10m		20 m	6 m	20 m	20 m
ENVIRONMENTAL PROTECTION	IP 67		IP 67	IP 68	IP 67	IP 67

* Designs and specifications are subject to change for improvement without prior notice.

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