

Load cells

Double ended shear beam

Mastermount



Ideal for process weighing applications that require an accurate, safe and cost effective solution

Aesthetically pleasing design

Suitable for use in the harshest of industrial environments

Covers the majority of process weighing applications

Stainless steel, IP68, fully welded double ended shear beam load cell

Vessel can be raised and lowered under load

One design covers the range from 2.000 kg to 30.000 kg

Load cell can be safely removed from under fully loaded vessel

TECHNICAL CHARACTERISTICS MASTERMOUNT

Rated load (R.L.):	3 ton (NO OIML), 5, 10, 20, 30, 50, 75, 100 ton
Rated Output (R.O.):	2.0(±0.25%) mV/V
Recommended input:	10 V
Input voltage maximum:	18 V.
Safe overload:	150% of R.L
Ultimate overload:	300% of R.L.
Safe sidenavload:	30% R.L.
Ultimate sidenavload:	100% of R.L.
Combined Error:	< ±0.03 % R.O.
Repeatability:	< ±0.015 % R.O.
Input resistance:	785 ± 20 Ohm
Output resistance:	700 ± 5 Ohm
Temperature range:	-50 to +80 °C
Compensated temperature range:	-10 to +40°C
Temp. effect on zero balance:	< ±0.002% SN/°C
Temp. effect on output:	< ±0.0012% of output/°C
Electrical connection:	4 conductors, shielded polyurethane cable; L= 20m
Insulation resistance:	> 500 M Ohm @ 100 Vdc



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