

## Load cells

### Shear beam load cells

SB



Engineered for the weighing of hoppers and reservoirs for the construction of platforms of low profile

Also available in special versions for high temperature

It avoids the use of mechanical restraints if used with its mounting accessories

Excellent linearity and accuracy

Strength to lateral loads in excess of 50%

Made of AISI 17-4PH stainless steel

Watertight protection for use in harsh environments

#### TECHNICAL CHARACTERISTICS SB

Rated load (R.L.):	75, 125, 250 Kg
Combined error:	±0.025% R.O.
Repeatability:	±0.01% R.O.
Creep (20 minutes):	±0.03% R.O.
Safe overload:	150% of R.L.
Ultimate overload:	> 300% of R.L.
Recommended input:	5÷12 Vdc/ac
input resistance:	385 ± 3 Ohms
Output resistance:	350 ± 3 Ohms
insulation resistance:	> 2000 M Ohms
Rated output (R.O.):	3 ± 0.25% mV/V
Zero balance:	±1% SN
Temperature range	-20 ÷ +70 °C
Compensated temperature range:	-10 ÷ +40 °C
Temp. effect (-10° to +50°C) on zero balance:	0.015% SN/10°C
Temp. effect (-10°C to +50°C) on output:	0.025% on output/10°C
Max Load deflection:	< 0.5 mm
Degree of protection:	IP65
Material:	AISI 17-4PH stainless steel
Electrical connection:	6 conductors shielded cable; length 6 m



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