

SBZ

ALUMINIUM SHEAR BEAM LOAD CELLS "SBZ"



Lightweight aluminium Shear Beam load cells, especially indicated to create 4 load cells floor scales.

CAPACITIES (kg): 300, 500, 1000.

OIML R60. C3 precision class.

Aluminium.IP67 protection.

The best solution
for advanced industrial
applications

MAIN FEATURES

- OIML R60 APPROVED
- C3 PRECISION CLASS
- ALUMINIUM CONSTRUCTION
- IP67 PROTECTION DEGREE
- MAX. CAPACITIES 300kg - 500kg - 1000kg

TECHNICAL FEATURES

- Full scale output (FS): $2.0\text{mV/V} \pm 0.1\%$
- Maximum number of verification intervals (nLC): 3000
- Minimum verification interval V_{min} ($Y=E_{\text{max}}/V_{\text{min}}$): 10000
- Combined error (%FS): $\leq \pm 0.03$
- Repeatability: $0,02\%$ E_{max}
- Creep error after 30 minutes: $0,03\%$ di E_{max}
- Zero balance: $< \pm 1\%$ di E_{max}
- Power supply (recommended): 10 Vdc
- Power supply (ultimate): 15Vdc
- Input resistance: $1000 \pm 20\Omega$
- Output resistance: $1000 \pm 10\Omega$
- Insulation resistance: $\geq 5000\text{M}\Omega$
- Compensated Temperature Range : $-10 \sim +50 \text{ }^\circ\text{C}$
- Operating Temperature Range: $-20 \sim +60 \text{ }^\circ\text{C}$
- Safe overload: 120% di E_{max}
- 2m shielded connection wire

- | <u>Wiring Code</u> | |
|--------------------|-----------------|
| <u>Colour</u> | <u>Function</u> |
| RED | INPUT + |
| BLACK | INPUT - |
| GREEN | OUTPUT + |
| WHITE | OUTPUT - |
| METAL | SHIELD |

VERSIONS

Available versions

Codice		Max (kg)
SBZ300-1KL		300
SBZ500-1KL		500
SBZ1000-1KL		1000



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INSTRUMENTS Ltd**
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OCEANIA**
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SALES AND TECHNICAL ASSISTANCE SERVICE