DINI ARGEO

A RICE LAKE WEIGHING SYSTEMS COMPANY

DSBI

DSBI SERIES DOUBLE SHEAR BEAM STAINLESS STEEL LOAD CELLS



Stainless steel double shear beam load cells suitable for building, for example, to make CE-M approved scales for high capacities or for weighing tanks and hoppers with the relevant accessories. High accuracy also with the expansion of the weighing structures.

CAPACITIES (kg): 10000, 20000, 30000.

OIML R60. C4 precision class.

17-4 PH stainless steel. **IP68** protection.

The best solution for advanced industrial applications

TECHNICAL FEATURES

- C4 PRECISION CLASS
- 17-4 PH STAINLESS STEEL CONSTRUCTION
- IP68 PROTECTION
- MAX. CAPACITIES FROM 10000 TO 30000 kg
- SHIELDED CONNECTION CABLE
- TEST CERTIFICATE AVAILABLE UPON REQUEST

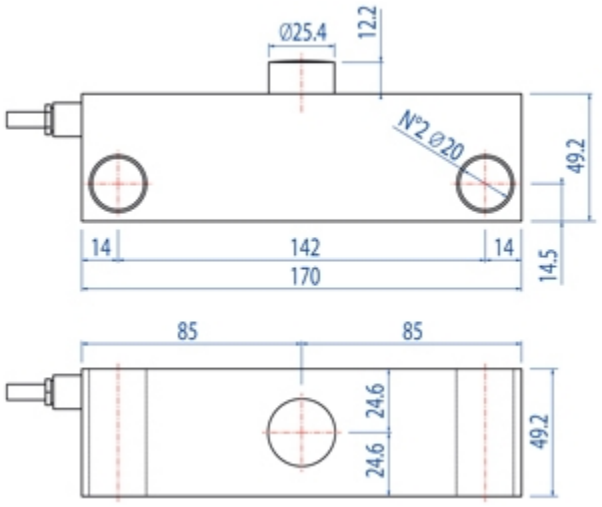
MAIN FEATURES

- Minimum load cell verification interval: Vmin = EMax / 10.000
- Combined error 0,03% of Full Scale Output (F.S.)
- Full Scale Output: 2mV/V +/- 0,1%
- Temperature effect on zero: 0,00116% /°C
- Temperature effect on full scale output: 0,00097% /°C
- Compensated Temperature Range: -10°C/+40°C
- Operating Temperature Range: -30°C/+85°C
- Creep error after 30 minutes: <0,02% F.S.
- Maximum tolerated excitation voltage: 15 VDC
- Input Resistance: 700 ± 7 Ohm
- Output Resistance: 700 ± 7 Ohm
- Zero Balance: +/- 1% F.S.
- Insulation Resistance: >5000 MOhm
- Safe Overload: 150% F.S.
- Ultimate Overload: 300% F.S.
- 6-wire shielded cable, 15m long, 5mm diameter.

ATEX VERSION

- The CCATEX certificate makes the load cell suitable for use in hazardous areas with protection methods according to:
  ATEX II 1G Ex ia IIC T6 (Ta -20÷+40°C) TX (Ta -20÷+65°C) Ga
  ATEX II 1D Ex ta IIIC TX°C (Ta -20÷+40°C) TX°C (Ta -20÷+65°C) Da IP65.
  The certificate includes the manual and the ATEX CE conformity declaration (available in EN, DE, FR, and IT).
- IMPORTANT: the certificate refers to the single load cell. For systems with more load cells, it is necessary to order one certificate for each load cell.

DETAIL 1



dimensions in mm

Wiring Code	
Colour	*Function*
GREEN	OUTPUT +
PURPLE	SENSE +
RED	INPUT +
WHITE	OUTPUT -
BLACK	INPUT -
GREY	SENSE -

VERSIONS

Available versions

Codice	Max (kg)
DSBI10	10000
DSBI20	20000
DSBI30	30000

www.diniargeo.com



DINI ARGEO FRANCE sarl	DINI ARGEO GMBH	DINI ARGEO UK Ltd	DINI ARGEO WEIGHING INSTRUMENTS Ltd	DINI ARGEO OCEANIA
France	Germany	United Kingdom	China	Australia

DINI ARGEO
A RICE LAKE WEIGHING SYSTEMS COMPANY

COMPANY HEADQUARTERS
Via Della Fisica, 20
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 843418

SERVICE ASSISTANCE
Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena • Italy
Tel. +39.0536 921784

SALES AND TECHNICAL ASSISTANCE SERVICE

All the specifications and images can be subject to variations and upgrades without prior notice.