DINI ARGEO
Scales - Weighing systems

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.

17-4 PH stainless steel. IP68 protection. C4 precision class.

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

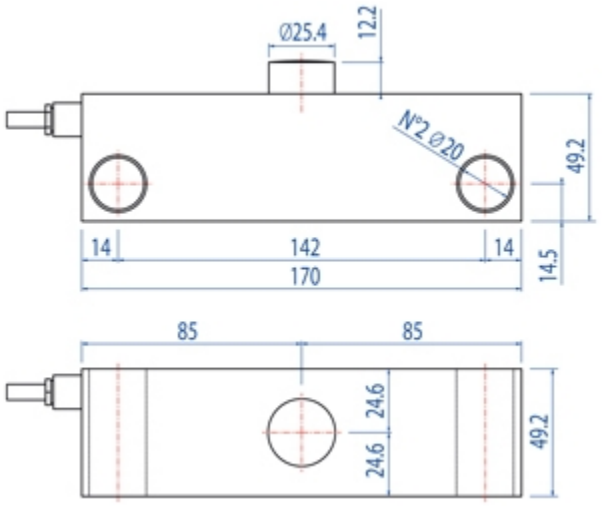
MAIN FEATURES

- 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

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

Models available

Code	Max (kg)
DSBI10	10000
DSBI20	20000
DSBI30	30000

www.diniargeo.com



DINI ARGEO FRANCE sarl
Nogent-sur-Marne
info.fr@diniargeo.com

DINI ARGEO GMBH
Sinsheim - Germany
info.de@diniargeo.com

DINI ARGEO UK Ltd
Taunton - United Kingdom
info.uk@diniargeo.com

DINI ARGEO WEIGHING INSTRUMENTS Ltd
Shanghai - China
info.cn@diniargeo.com

DINI ARGEO WEIGHBRIDGES
Calto (RO) – Italy
info@diniargeo.com

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ATEX

ISO 9001:2008

HEAD OFFICE
Via Della Fisica, 20
41042 Spezzano di Fiorano Modena - Italy
Tel. +39.0536 843418 Fax. +39.0536 843521
info@diniargeo.com

SERVICE ASSISTANCE
Via Dell'Elettronica, 15
41042 Spezzano di Fiorano Modena - Italy
Tel. +39.0536 921784 Fax. +39.0536 926654
service@diniargeo.com

SALES AND TECHNICAL ASSISTANCE SERVICE