

## **RSBT**

### RSBT DOUBLE SHEAR BEAM LOAD CELLS



Double shear beam load cells particularly suitable for weighing weighbridges, dosage systems, tanks, silos, etc., complete with support and oscillating spherical joint. CE-M approved.

**CAPACITIES (kg)**: 25000, 30000, 40000.

OIML R60. C3 precision class.

Nickel-plated steel. IP68 protection.

Working in cooperation with:

AHNE TECH STAFF
-- MUSCAT

alhinaioman@gmail.com

The best solution for advanced industrial applications

#### **MAIN FEATURES**

- C3 PRECISION CLASS;
- EXECUTED IN NICKEL-PLATED STEEL WITH LASER SOLDERINGS;
- HIGH PRECISION AND LINEARITY ALSO WITH NON PERPENDICULAR LOADS;
- OPTIMISED FOR PARALLEL CONNECTION;
- IP68 PROTECTION DEGREE;
- CAPACITY FROM 25000 TO 40000kg;
- SHIELDED TEFLON CONNECTION CABLE;
- TEST CERTIFICATE AVAILABLE UPON REQUEST.

### **TECHNICAL FEATURES**

- Minimum verification interval: Vmin = EMax / 10.000;
- Maximum number of load cell divisions: nLC=3000 (C3);
- Full Scale Output: 2mV/V +/- 0,2%;
- Temperature effect on full scale output: 0,0014%FS/°C;
- Tempeature effect on the zero: +/- 0,0017%FS/°C;
- Compensated temperature range: -10°C/+40°C;
- Operating temperature range: -35°C/+65°C;
- Creep error after 30 minutes: 0,02% F.S;
- Excitation voltage: from 5 to 18 VDC;
- Input Resistance: 750 Ohm;
- Output Resistance: 700 ± 7 Ohm;
- Zero Balance: +/-1,5% F.S.;
- Insulation resistance > 5000 MOhm;
- Safe overload > 150% F.S.;
- Maximum overload 300% F.S.;
- 4-wire shielded cable, 15m long.

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

### **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.

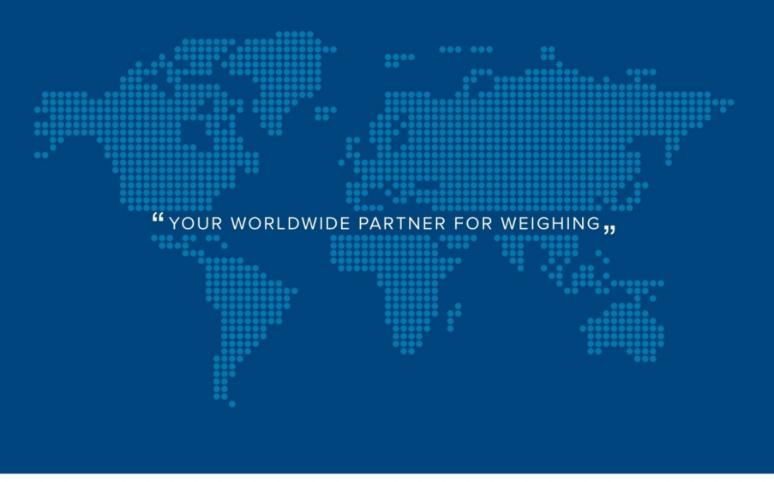
The certificate includes the manual and the ATEX CE conformity declaration (available in EN, DE, FR, and IT).

• 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.

# VERSIONS

Available versions	
	Max
Codice	(kg)
RSBT25C3	25000
RSBT30C3	30000
RSBT40C3	40000





DINI ARGEO FRANCE sarl Nogent-sur-Marne DINI ARGEO **GMBH** Sinsheim - Germany DINI ARGEO UK Ltd

Taunton - United Kingdom

DINI ARGEO WEIGHING INSTRUMENTS Ltd Shanghai - China

DINI ARGEO WEIGHBRIDGES Calto (RO) - Italy



**HEAD OFFICE** Via Della Fisica, 20 41042 Spezzano di Fiorano Modena - Italy







#### AHNE TECH STAFF

- - MUSCAT

alhinaioman@gmail.com

SALES AND TECHNICAL ASSISTANCE SERVICE