DINI ARGEO
Scales - Weighing systems

DGX

"DGX": DIGITAL CONVERSION CARD FOR ANALOGUE LOAD CELLS, IN ABS IP67 BOX

Card for the connection and digital conversion of analogue load cells, supplied inside an ABS IP67 protection case. It allows to convert the functioning of the load cell from analogue to digital. APPROVABLE for legal for trade use.

The best solution
for advanced industrial
applications

ADVANTAGES

- Faster equalisation, only through the weight acquisition, without manual ajustments on the card (trimmer);
- Digital optimization of the corners, directly from weight indicator, for subsequent adjustments, and load cell replacement;
- Simpler and more complete diagnostic, thanks to the reading from the weight indicator of each single analogue load cell;
- Faster maintenance of the system;
- Conversion of already existing systems, from analogue to digital.

FUNCTIONING

- Conversion into digital of each single analogue load cell, for management via RS485 from the weight indicator (CPWE/3590E series in the AF03 version);
- Connection with up to 4 DGX4 or 2 DGX8 for the conversion up to 16 analogue load cells;
- Calibration, equalisation, and complete diagnostics from the indicator;
- 3.000.000 resolution points for each load cell.

TECHNICAL FEATURES

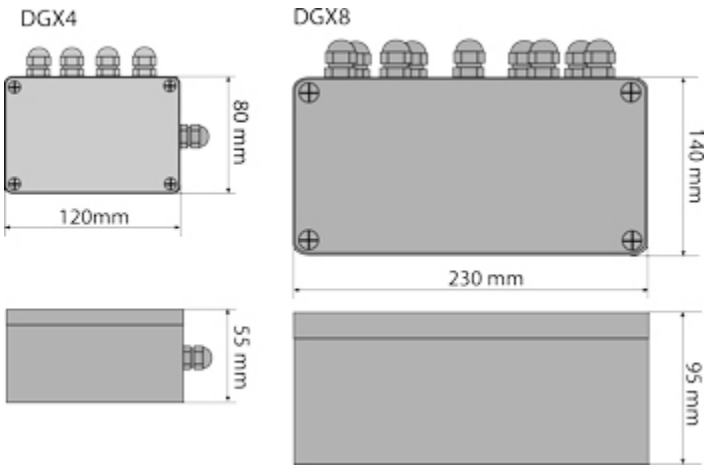
- Power supply: 6-12Vdc;
- Load cell power supply: 5Vdc;
- Operating temperature: -10°C...+40°C;
- 24bit sigma-delta A/D converter, max.200 conv./sec.;
- 4 independent reading channels (8 for DGX8);
- Connectable with up to 16 350-Ohm analogue load cells (32 for DGX8);
- Surge arresters;
- Supplied inside an ABS IP67 BOX;
- 1 RS485 port for the connection to the weight indicator (2 for DGX8);
- 1 RS232/TTL port for the connection to the PC or radio module (2 for DGX8).

DETAIL 1



DGX8: Conversion Box with 2 DGX cards and 8 inputs.

DETAIL 2



Conversion box, dimensions in mm.

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

DINI ARGEO
Scales - Weighing systems

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