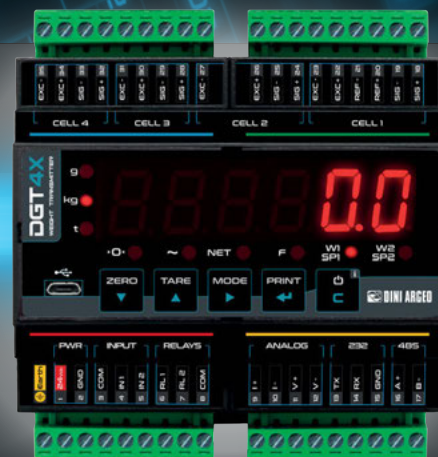


DGT4X

HIGH SPEED 4 CHANNELS
WEIGHT TRANSMITTER



 **DINI AR GEO**
Scales - Weighing systems

A RICE LAKE WEIGHING SYSTEMS COMPANY



A LEAP TOWARDS THE FUTURE



EVEN FASTER, ALWAYS KEEPING UP WITH THE TIMES

The new DGT4X is a speed, performance and reliability explosion, designed for belt scales, microdosing and multiscale systems.

Serial ports, USB and built-in fieldbus complement the DGT4X series, making it the perfect solution for industrial automation weighing.



XSPEED TOOL



SPEED THAT IMPROVES PERFORMANCE

Specific utility for PC, engineered to optimize the accuracy and performance of any weighing system.

The XSPEED tool allows users to analyse weighing results in order to identify mechanical influences or noises and set the best filtering mode in order to maximize weighing accuracy and speed.

Graphic analysis charts and easy-to-set menus allow the expert to obtain very high performance in both static and dynamic applications.



AD CONVERSION UNIT

Type	4 channels 16 bit sigma/delta
Conversion rate	2600 Hz
Resolution	1.000.000 points / mV/V
Linearity	0,0007 % F.S.
Load cell power supply	5 Vdc, up to 230 mA
Load cell number	16 x 350 Ohm
Input voltage	15 mV
Min. voltage per increment	0,03 µV/increment
Maximum number of displayable increments	1.000.000
Filtering mode	<ul style="list-style-type: none"> 8 standard filtering modes, with 28 steps of regulation Specific filtering setting via PC with XSPEED tool, for dynamic check weighers, fast filling, dosage and fast weighing.
Connection	4/6 wires



CALIBRATION MODES

1. Electronic adjustment without calibration weight
2. Adjustment using calibration weights by keyboard
3. Adjustment using calibration weights via serial port, using Dinitools® (PC tool)
4. Digital equalisation mode by keyboard
5. Remote adjustment via Modbus/Fieldbus commands
6. Pre-adjustment (linearisation) of the weighing circuit (via Dinitools®).

Adjustment points

Up to 3 trough keyboard
Up to 8 by Dinitools®



INTEGRATED FIELDBUS (DGT4FIELDBUS version)

Available fieldbus types

PROFINET I/O
ETHERNET IP
ETHERCAT
CANOPEN
DEVICENET
PROFIBUS DP
MODBUS-TCP

Weight refresh 8 ms



DIGITAL INPUTS

Nr.	2
Voltage	Max 12÷48 Vdc



DIGITAL OUTPUTS

Nr.	2
Voltage	Max 48 Vac or 60 Vdc
Current	Max 500 mA



OTHERS

Operating conditions:

Internal Use / OIML / Humidity
-20°C...+60°C / -10°C... +40°C /
max 85% RH, non-condensing

Housing

ABS - Standard Din Rail mounting

Dimensions

106x56x118 mm

Display

14,2 mm (0,56") red LED display

Keyboard

5 keys "easy push" mechanical keyboard



ANALOG OUTPUT (DGT4AN version)

4...20 mA
0...10 V
0...20 mA
0...5 V
16 bit internal resolution
Analog output refresh: up to 0,3 ms



RS232 SERIAL PORT (on basic or analog version only)

Protocol

ASCII
Modbus RTU / Modbus ASCII

Weight refresh Up to 0,8 ms



POWER SUPPLY

Voltage	12 to 24 Vdc
Consumption	5 W



RS485 SERIAL PORT

Protocol

ASCII
Modbus RTU / Modbus ASCII

Weight refresh Up to 0,8 ms



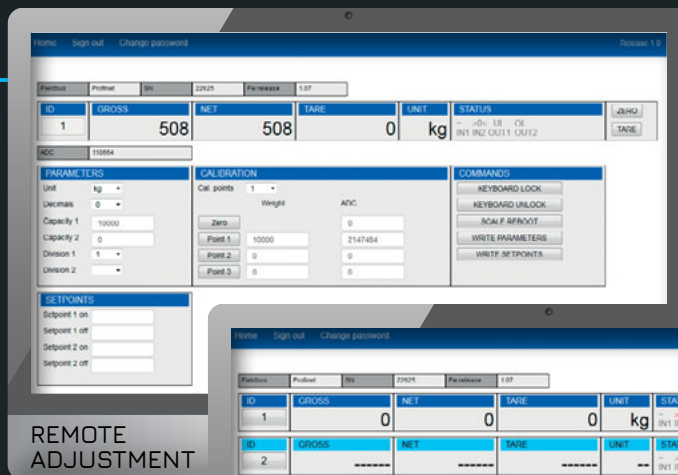
USB PORT

USB Device port for quick configuration via PC with Dinitools®

INTEGRATED WEB SERVER

for PROFINET, ETHERNET IP and MODBUS TCP

Using the integrated Web Server, you can communicate remotely and fully diagnose/calibrate the DGT4X transmitter.



REMOTE
ADJUSTMENT



DIAGNOSTIC
MENU

APPROVALS

Standard

OIML R76 - R51 - R61

Upon request

The UL mark is the most widely recognized and accepted evidence of the product conformity with the US and Canadian safety requirements.



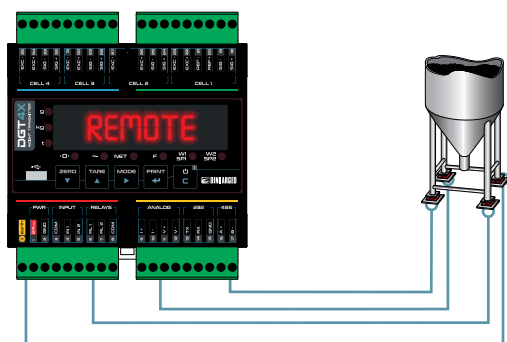
Dini Argeo obtained the **UL Listing certification** mark for its products to allow an easier integration in any UL certified plant, without any further certification.

DGT4X is available in UL version for the US and Canadian market.



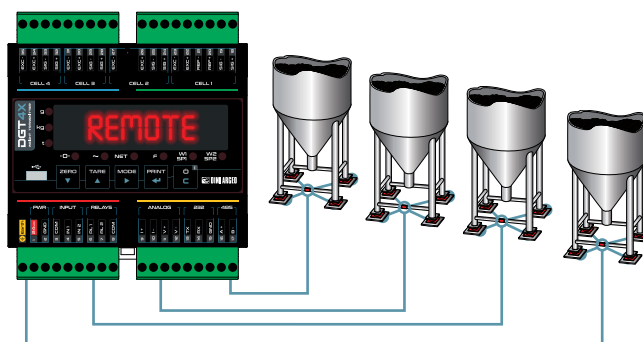
DIGITAL EQUALISATION BOX MODE


Transmitter manages up to 4 load cells (1 scale), as a junction box or equalisation box. All data and adjustments are available on fieldbus.



4 SCALES MODE

Transmitter manages up to 4 scales. All data and adjustments of each scale are available on fieldbus side.





Dini Argeo dealer network:
over 3500 partners
in more than 85 countries across the world

“YOUR WORLDWIDE PARTNER
FOR WEIGHING”



A RICE LAKE WEIGHING SYSTEMS COMPANY

COMPANY HEADQUARTERS

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OTHER DINI ARGEO LOCATIONS

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United Kingdom

DINI ARGEO FRANCE sarl
France

DINI ARGEO GMBH
Germany

DINI ARGEO OCEANIA
Australia

SALES AND TECHNICAL ASSISTANCE SERVICE

DGT4X2002V1_NEN

