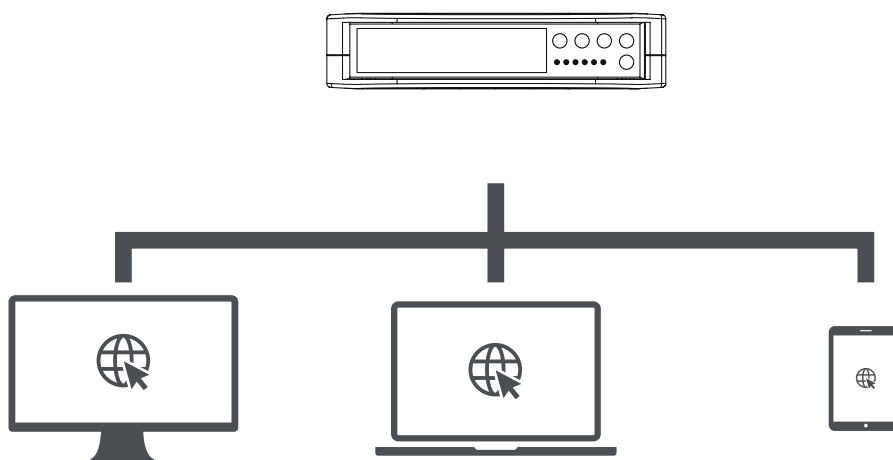


WEBSERVER

USER MANUAL

ENGLISH



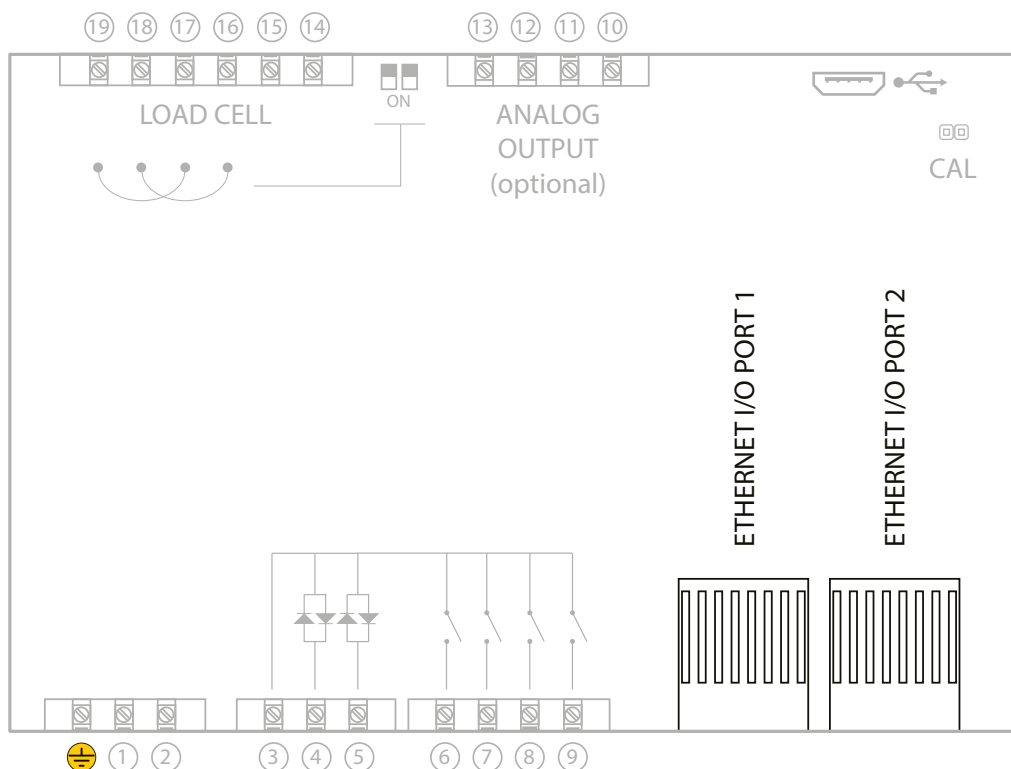
For DGT1SX-ETHIP, DGT1SX-PRONET, DGT1SX-MODTCP,
DGT1SP-ETHIP, DGT1SP-PRONET, DGT1SP-MODTCP models

Table of contents

Network connection	4
Network parameters	4
Web page login	5
Main screen	6
Operating mode	7
Network configuration	7
Backup	7
Restore	7
Change password	8
Sign out	8
Instrument information	8
Zero	9
Tare	9
A/D converter points	9
Calibration parameters	9
Calibration	10
Theoretical calibration	10
Commands	11
Setpoint	11

Network connection

Connect the instrument to the network using the available Ethernet ports:



The Web Server is only available for **DGT1SX-ETHIP**, **DGT1SX-PRONET**, **DGT1SX-MODTCP** models.

Network parameters

The IP address, subnet mask and gateway of the instrument can be configured using the procedure indicated in the "**Fieldbus configuration**" paragraph in the instrument Quick start guide.

In most applications it is sufficient to set the IP address of the instrument in the same class as the PC.



For advanced configurations it is recommended to contact your network administrator.

Type the IP address of the instrument into a web browser. If the instrument has been configured correctly, the login window will be displayed:

Ethernet/IP Profinet module SN

Sign in

Enter the password “00000” and sign in.



Once you logged in, it is possible to change the password (**Change password**).

In case of lost password contact Dini Argeo for the recovery.



Only one PC is allowed to access the instrument's web page at a time, so if you login from a second PC, the first one will be automatically disconnected.



Logging in the instrument web page interrupts the communication with the PLC.

Main screen

1

Home

2

Operative Mode

3

Network

4

Backup

5

Restore

6

Change password

6

Sign out

Release 6.1

Fieldbus

Profinet

SN

22625

Fw release

1.06

7

ID

1

GROSS

508

NET

508

TARE

0

UNIT

kg

STATUS

~ >0< UL OL
IN1 IN2 OUT1 OUT2

8

ZERO

9

TARE

10

ADC

123456

11

PARAMETERS

Unit

kg

Decimals

0

Capacity 1

10000

Capacity 2

0

Division 1

1

Division 2

12

CALIBRATION

Cal. points

1

☒ Check stability

Weight

ADC

mV/V

Zero

0

0

Point 1

10000

2147484

1.78348

Point 2

0

0

0

Point 3

0

0

0

13

COMMANDS

KEYB. LOCK

KB. UNLOCK

SCALE REBOOT

WRITE PARAMETERS

WRITE SETPOINTS

THEOR. CALIB.

ZERO CALIB.

14

15

SETPOINTS

Setpoint 1 on

Setpoint 1 off

Setpoint 2 on

Setpoint 2 off



1 Operating mode

Not available for DGT1SX / DGT1SP models.

2 Network configuration

You can change the network parameters and the displayed data format:

- IP address, Subnet mask, Gateway (enable "Auto config." for DHCP).
- Byte order: Big endian / Little endian.
- Data format: Unsigned integer / Signed integer / Float.

Profinet module SN
22625

Auto config. No ▼

IP address 192.168.0.100

Subnet mask 255.255.255.0

Gateway 0.0.0.0

Byte order Big Endian ▼

Data format Uns. integer ▼

Read configuration

Set configuration

Sign in page



Changing the parameters will disconnect the transmitter. To reconnect, you must enter the new IP address in the search bar.

3 Backup

By clicking on the **"Backup"** button the browser starts receiving the instrument configuration.

When reception is complete, the **"setup.mot"** file is automatically downloaded. This file is compatible with the Dinitools program.

4 Restore

By clicking on the **"Restore"** button you can select a configuration file to load on the instrument.

WARNING: the configuration file must have **".mot"** extension.



5 Change password

You can change your login password from this page:

Profinet module SN
22625

Change password

6 Sign out

Logout from the instrument web page.

7 Instrument information

Shows the weight and status information of the scale:

ID	Scale identification number. (only for <i>ErAn50</i> mode)
GROSS	Gross weight
NET	Net weight
TARE	Tare
UNIT	Unit of measure
STATUS	Instrument status
	~ Unstable weight
	>0< Gross weight equal to zero
	UL Underload
	OL Overload
	IN1 Input 1 active
	IN2 Input 2 active
	OUT1 Output 1 active
	OUT2 Output 2 active

8 Zero

Performs zeroing on the instrument.

WARNING: the zero execution takes place only if the necessary conditions are met (zero parameters).

9 Tare

Performs the tare on the instrument.

To clear an active tare, you must perform a new tare when the scale is empty.

10 A/D converter points

Shows the ADC points of the converter.

11 Calibration parameters

Setting of the scale calibration parameters:

Unit	Unit of measure (g, kg, t, lb)
Decimals	Number of decimal digits (0, 1, 2, 3)
Capacity 1	First range value (or full capacity for single range applications)
Capacity 2	Second range value (not used in single range applications)
Division 1	First range division (1, 2, 5, 10, 20, 50)
Division 2	Second range division (1, 2, 5, 10, 20, 50)

12 Calibration

1. Select the number of calibration points from the drop-down menu.
2. Enter the weight values of the calibration points in the text boxes on the left.
3. For each point, load the sample weight on the scale and click the corresponding button. The value of ADC points is automatically acquired in the text box on the right. If you know the ADC point value, you can enter it manually.
The weight and ADC point values must be increasing:

Case 1

CALIBRATION			
Cal. points	Weight	ADC	mV/V
Zero		0	0
Point 1	2000	647484	0.22491
Point 2	4000	1292501	0.78523
Point 3	10000	30741680	1.89348

Case 2

CALIBRATION			
Cal. points	Weight	ADC	mV/V
Zero		0	0
Point 1	2000	647484	0.22491
Point 2	10000	30741680	1.89348
Point 3	4000	1292501	0.78523

4. Save the calibration by clicking **WRITE PARAMETERS**

i If the weight and/or ADC values are not increasing (Case 2), only point 1 will be considered.
If "Check stability" is active, the calibration points are only acquired if the weight is stable.

13 Theoretical calibration

1. Enter the value 0 in the zero mV/V box.
2. Enter in the mV/V box related to point 1, the cell sensitivity value. If there are more load cells connected, enter the average value.
3. Enter in the weight box the load cell capacity. If there are more load cells connected, enter the total capacity.
4. Calculate ADC points by clicking **THEOR. CALIB**.

14 Commands

KEYBOARD LOCK	Keyboard lock
KEYBOARD UNLOCK	Keyboard unlock.
SCALE REBOOT	Reboot of the instrument. (You will momentarily lose communication)
WRITE PARAMETERS	Calibration parameters saving.
WRITE SETPOINTS	Setpoint saving
THEOR. CALIB	Theoretical calibration: By entering the weight and mV/V value of the cells the relative ADC points are calculated. .
ZERO CALIB.	Zero calibration.

15 Setpoint

1. Set the output function to Gross or Net. (Ref. **Quick Start Guide**)
2. Enter the output on/off values in the text boxes.
3. Save setpoints by clicking

WRITE SETPOINTS

Notes

[illegible]

This publication, or portions thereof, may not be duplicated without written permission from the Manufacturer. All information contained in this manual is based on the data available at the time of its publication; the Manufacturer reserves the right to make changes to its products at any time without notice and without incurring any penalty. We therefore recommend that you always check for any updates.

The individual in charge of the scale operation must ensure that all safety regulations in force in the country of use are applied, ensuring that the appliance is used in accordance with the purpose it is intended for and to avoid any danger for the user.

The Manufacturer declines any liability arising from any weighing operation errors.





A RICE LAKE WEIGHING SYSTEMS COMPANY

HEAD OFFICE

Via Della Fisica, 20
41042 Spezzano di Fiorano, Modena - Italy
Tel. +39 0536 843418 - Fax +39 0536 843521

SERVICE ASSISTANCE

Via Dell'Elettronica, 15
41042 Spezzano di Fiorano, Modena - Italy
Tel. +39 0536 921784 - Fax +39 0536 926654

www.diniargeo.com

Authorized service center stamp

