

ENGLISH



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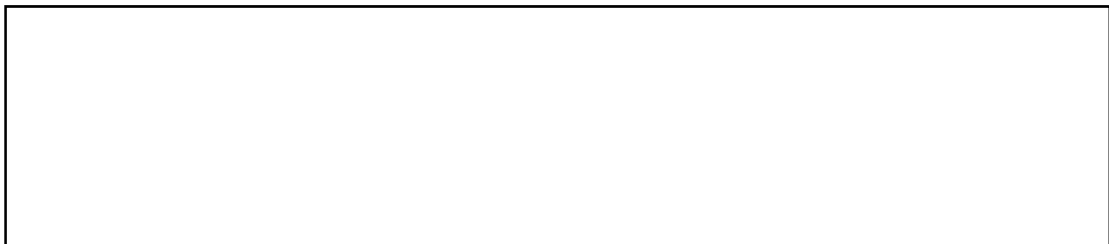


ENGLISH

**W100RIP – W200RIP
WDESKLIGHTRIP – WDESK-L/R-RIP
WINOX-L/R/2L-RIP – WTAB-L/R-RIP**

WEIGHT REPEATER

version 1.10



SYMBOLS

Here are the symbols used in the manual to draw the reader's attention:



Caution! Risk of electric shock.



Caution! This operation must be performed by skilled personnel.



Pay particular attention to the following instructions.



Further information.

WARRANTY

24 months from the date of the delivery note. Warranty covers only failures of defective components (due to construction defects or defects in materials) and includes replacement or repair of the components and related labor costs.

Warranty is automatically forfeited in the event of:

- tampering, deletion, removal of the identification label and/or serial number of the product
- misuse, transformation, alteration, repair of products not carried out by Laumas personnel

Laumas provides a 1-year warranty from the date of the delivery note on defects in material or manufacture of the battery.

GUIDELINES FOR PROPER DISPOSAL



**Sealed Lead Acid
Battery
Must be recycled
Properly**

This symbol on the product or packaging indicates that:

- This is electrical/electronic equipment and cannot be disposed of as municipal solid waste, but must be delivered to a recycling center
- Improper use or disposal can pollute the environment or damage human health
- Non-compliance with these guidelines will be penalized in accordance with the regulations in force in the country of destination
- It is recommended to dispose of the packing and packaging as required by local regulations

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USER WARNINGS

RECOMMENDATIONS FOR THE PROPER USE OF WEIGHING INSTRUMENT

- Keep away from heat sources and direct sunlight
- Repair the instrument from rain (except special IP versions)
- Do not wash with water jets (except special IP versions)
- Do not dip in water
- Do not spill liquid on the instrument
- Do not use solvents to clean the instrument
- Do not install in areas subject to explosion hazard (except special Atex versions)

RECOMMENDATIONS FOR CORRECT INSTALLATION OF WEIGHING INSTRUMENTS

The terminals indicated on the instrument's wiring diagram to be connected to earth must have the same potential as the weighed structure (same earthing pit or earthing system). If you are unable to ensure this condition, connect with an earthing wire the terminals of the instrument (including the terminal – SUPPLY) to the weighed structure.

The cell cable must be individually led to its panel input and not share a conduit with other cables; connect it directly to the instrument terminal strip without breaking its route with support terminal strips.

Use "RC" filters on the instrument-driven solenoid valve and remote control switch coils.

Avoid inverters in the instrument panel; if inevitable, use special filters for the inverters and separate them with sheet metal partitions.

The panel installer must provide electric protections for the instruments (fuses, door lock switch etc.).

It is advisable to leave the equipment always switched on to prevent the formation of condensation.

MAXIMUM CABLE LENGTHS

- RS485: 1000 metres with AWG24, shielded and twisted cables
- RS232: 15 metres for baud rates up to 19200
- Analog current output: up to 500 metres with 0.5 mm² cable
- Analog voltage output: up to 300 metres with 0.5 mm² cable

MAIN CHARACTERISTICS OF THE INSTRUMENTS

- Weight remote display with RS-232 or RS-485 serial connection;
- DIN box for panel front mounting:

W100	48x96x130 mm – drilling template 45x91 mm
W200	96x96x130 mm – drilling template 91x91 mm
WDESK-LIGHT – WDESK-L/R	122x 226x164 mm
WINOX-L/R/2L	206x286x108 mm
WTAB-L/R	315x315x180 mm

- Front panel protection rating:

W100 – W200	IP54 (IP67 front optional)
WDESK-LIGHT – WDESK-L/R	IP67
WINOX-L/R/2L	IP68
WTAB-L/R	IP40

- Display:

W100 – W200	semi-alphanumeric, red LED, six 14 mm digits, 7 segments, 8 indicator LEDs
WDESK-LIGHT – WDESK-L WINOX-L – WTAB-L	semi-alphanumeric backlit LCD, six 20 mm digits, 7 segments; 46 signalling symbols
WDESK-R – WINOX-R WTAB-R	semi-alphanumeric, red LED, six 20 mm digits, 7 segments; 16 indicator LEDs
WINOX-2L	semi-alphanumeric backlit LCD, six 40 mm digits, 7 segments; 46 signalling symbols

- Membrane keypad with buzzer:

W100	4 keys
W200	5 keys
WDESK-LIGHT – WDESK-L/R – WINOX-L/R/2L	6 keys
WTAB-L/R	8 keys

- Real-time clock/calendar with buffer battery.

BUFFER BATTERY

The instrument is equipped with an internal battery that allows to keep active the internal clock even in the event of power failure.



At the first start and after long periods of inactivity, leave the instrument on for at least 12 hours to fully charge the battery.

TECHNICAL SPECIFICATIONS

W100, W200

POWER SUPPLY and CONSUMPTION (VDC)	12/24 VDC; $\pm 10\%$; 5 W (standard)
POWER SUPPLY and CONSUMPTION (VAC)	115/230 VAC; 50-60 Hz; 6 VA (optional for W200)
DISPLAY RANGE	± 999999
NO. OF DECIMALS	0÷4
RELAY LOGIC OUTPUTS	N.5 - max 115 VAC; 150 mA
SERIAL PORTS	RS485, RS232
BAUD RATE	2400, 4800, 9600, 19200, 38400, 115200
HUMIDITY (non condensing)	85%
STORAGE TEMPERATURE	-30°C +80°C
WORKING TEMPERATURE	-20°C +60°C

WDESK-LIGHT

POWER SUPPLY and CONSUMPTION (VDC)	12/24 VDC; $\pm 10\%$; 6 W (standard)
DISPLAY RANGE	± 999999
NO. OF DECIMALS	0÷4
RELAY LOGIC OUTPUTS	N.2 - max 115 VAC; 150 mA
SERIAL PORTS	RS485, RS232
BAUD RATE	2400, 4800, 9600, 19200, 38400, 115200
HUMIDITY (non condensing)	85%
STORAGE TEMPERATURE	-30°C +80°C
WORKING TEMPERATURE	-20°C +60°C

WDESK-L/R, WINOX-L/R/2L, WTAB-L/R

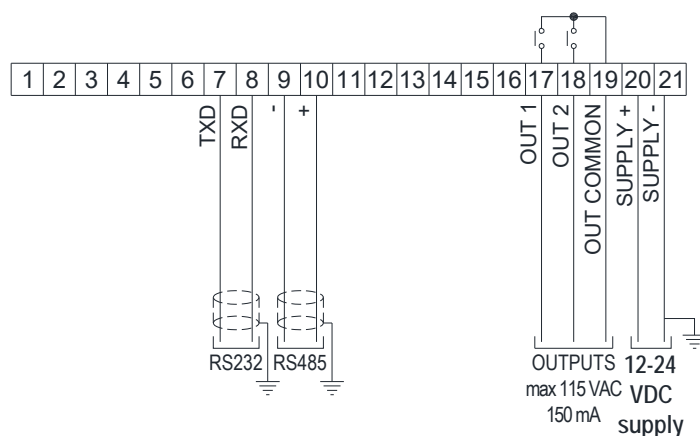
POWER SUPPLY and CONSUMPTION (VDC)	12/24 VDC; $\pm 10\%$; 6 W (standard)
POWER SUPPLY and CONSUMPTION (VAC)	115/230 VAC; 50-60 Hz; 6 VA (optional for WDESK-L/R only)
DISPLAY RANGE	± 999999
NO. OF DECIMALS	0÷4
RELAY LOGIC OUTPUTS	N.5 - max 115 VAC; 150 mA
SERIAL PORTS	RS485, RS232
BAUD RATE	2400, 4800, 9600, 19200, 38400, 115200
HUMIDITY (non condensing)	85%
STORAGE TEMPERATURE	-30°C +80°C
WORKING TEMPERATURE	-20°C +60°C

ELECTRICAL CONNECTIONS

BASIC INFORMATION

- It is recommended that the power supply negative pole be grounded (WDESK-D, WINOX, WTAB: connect the earthing system to the dedicated external terminal \perp).
- Connect terminal “- SUPPLY” to the RS485 common of the connected instruments in the event that these receive alternating current input or that they have an optically isolated RS485.
- In case of an RS485 network with several devices it is recommended to activate the 120 ohm termination resistance on the two devices located at the ends of the network, as described in the paragraph RS485 SERIAL CONNECTION.
- E/EC option (if available): selects 12 groups of 5 setpoint.

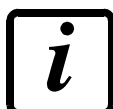
WDESK-LIGHT



2 outputs: settable setpoint.

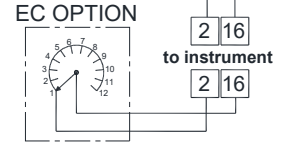
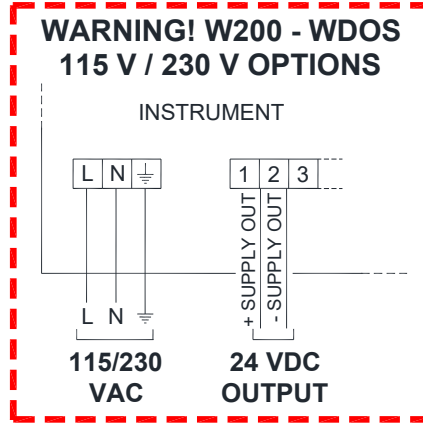
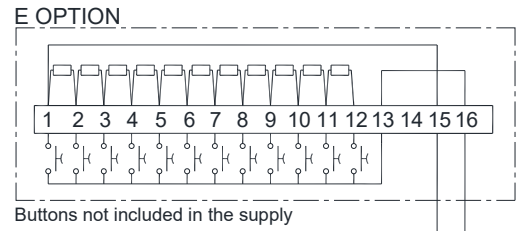
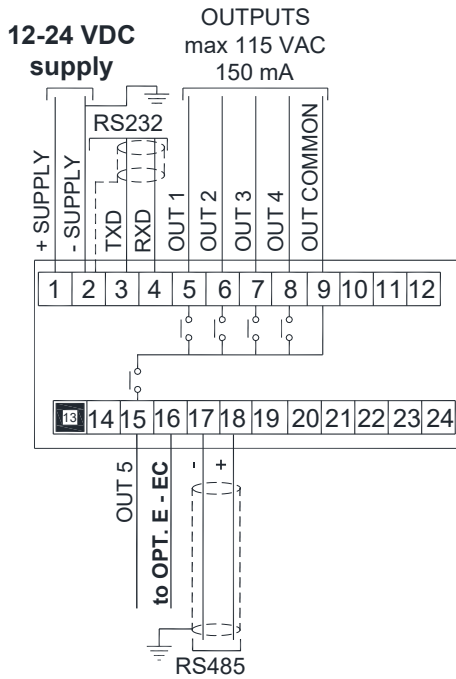
TERMINALS LEGEND

1		12	
2		13	
3		14	
4		15	
5		16	
6		17	OUTPUT No. 1
7	RS232: TXD	18	OUTPUT No. 2
8	RS232: RXD	19	OUTPUT COMMON
9	RS485: -	20	+ SUPPLY (12/24 VDC)
10	RS485: +	21	- SUPPLY (12/24 VDC)
11			RS232, RS485: SHIELD, GND



To access the terminal strip you need to remove the front panel of the instrument unscrewing the eight screws.

W100 – W200

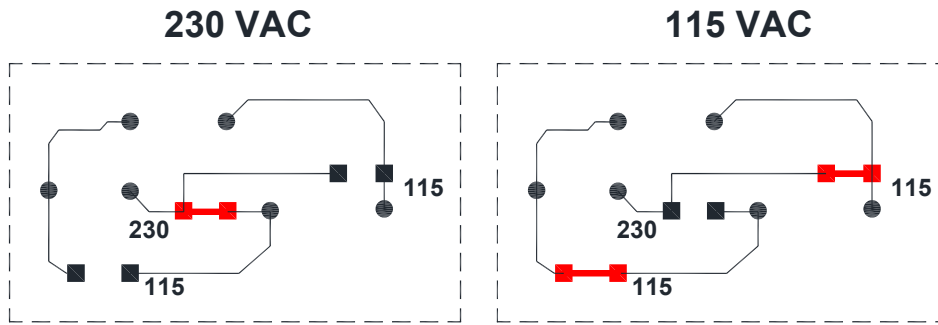


5 outputs: settable setpoint.

WARNING: connect power supply specified on the plate found on the back of the instrument. In 115 V and 230 V versions, terminals “+ SUPPLY” and “- SUPPLY” generate continuous voltage at 24 VDC, only to be used as power supply for instrument inputs.

CHANGING VOLTAGE 115 VAC/230 VAC (W/200)

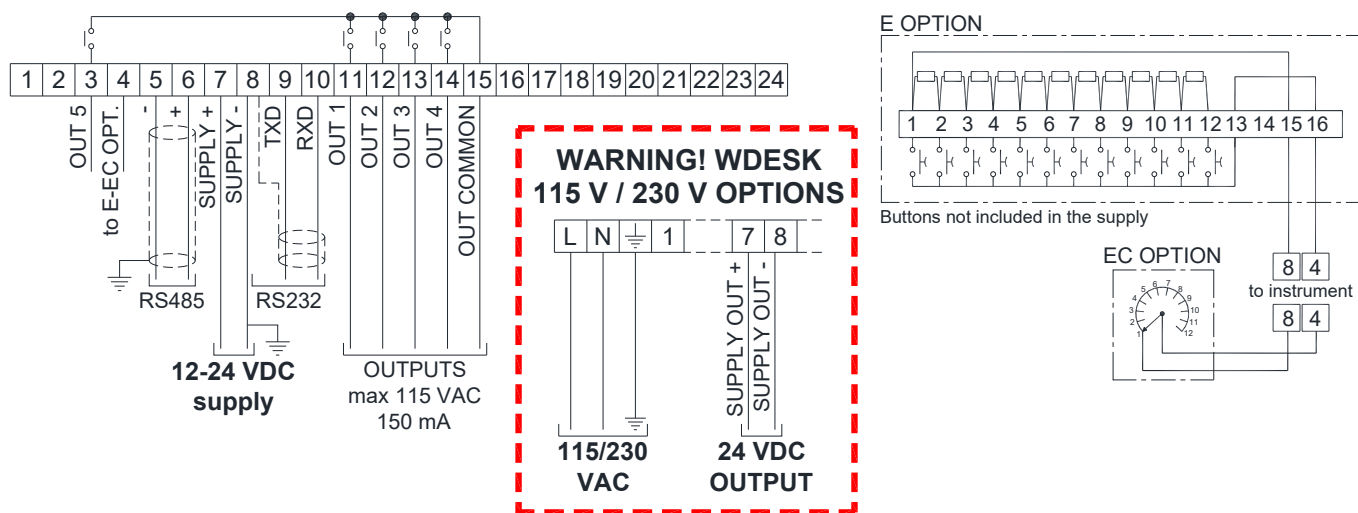
Remove the instrument's power board and connect together the welding points marked in the diagram using a stiff wire (on welding side).



TERMINALS LEGEND

1	+ SUPPLY (12/24 VDC)	13	
2	- SUPPLY (12/24 VDC) RS232, RS485: SHIELD, GND E/EC OPTION: GND	14	
3	RS232: TXD	15	OUTPUT No. 5
4	RS232: RXD	16	E/EC OPTION
5	OUTPUT No. 1	17	RS485: -
6	OUTPUT No. 2	18	RS485: +
7	OUTPUT No. 3	19	
8	OUTPUT No. 4	20	
9	OUTPUT COMMON	21	
10		22	
11		23	
12		24	

WDESK-L/R – WINOX-L/R/2L – WTAB-L/R

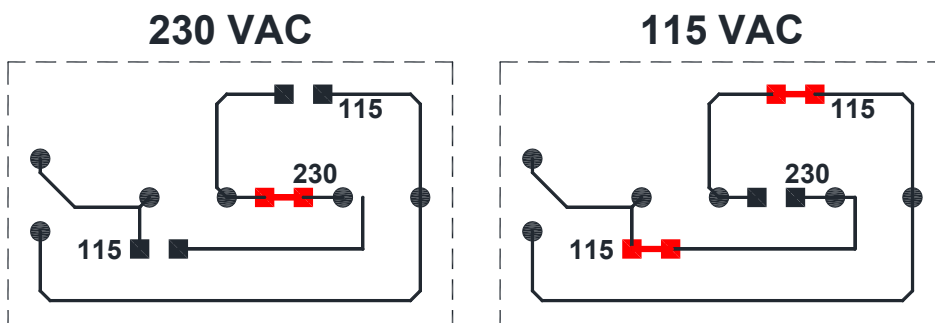


5 outputs: settable setpoint.

WARNING: connect power supply specified on the plate found on the back of the instrument. In 115 V and 230 V versions, terminals “+ SUPPLY” and “– SUPPLY” generate continuous voltage at 24 VDC, only to be used as power supply for instrument inputs.

CHANGING VOLTAGE 115 VAC/230 VAC (WDESK-L/R)

Access instrument board by removing the six bottom screws and work on the welding side: join the red points using a stiff wire.



INSTRUMENTS BACK TYPES

Instrument	Back type
WDESK – WINOX	P – M16x1.5 cable gland (*) Q – Removable terminal strip X – Atex cable gland D – D-Sub tray (*)
WTAB	D – D-Sub tray (*)

(*): including switching power supply plug 24 V 450 mA, input 100÷240 VAC, 3 meters long cable.

KEY TO P, Q, X TYPE CONNECTORS

Terminal	Signal	Terminal	Signal
1		14	OUTPUT No. 4
2		15	OUTPUT COMMON
3	OUTPUT No. 5	16	
4	E/EC OPTION	17	
5	RS485: -	18	
6	RS485: +	19	
7	+ SUPPLY (12/24 VDC) 115/230 VAC optional version: + OUTPUT (24 VDC)	20	
8	- SUPPLY (12/24 VDC) RS232, RS485: SHIELD, GND E/EC OPTION: GND 115/230 VAC optional version: - OUTPUT (24 VDC) RS232, RS485: SHIELD, GND E/EC OPTION: GND	21	
9	RS232: TXD	22	
10	RS232: RXD	23	
11	OUTPUT No. 1	24	
12	OUTPUT No. 2	L	PHASE (115/230 VAC optional ver.)
13	OUTPUT No. 3	N	NEUTRAL (115/230 VAC optional ver.)
		\perp	GROUND (115/230 VAC optional ver.)

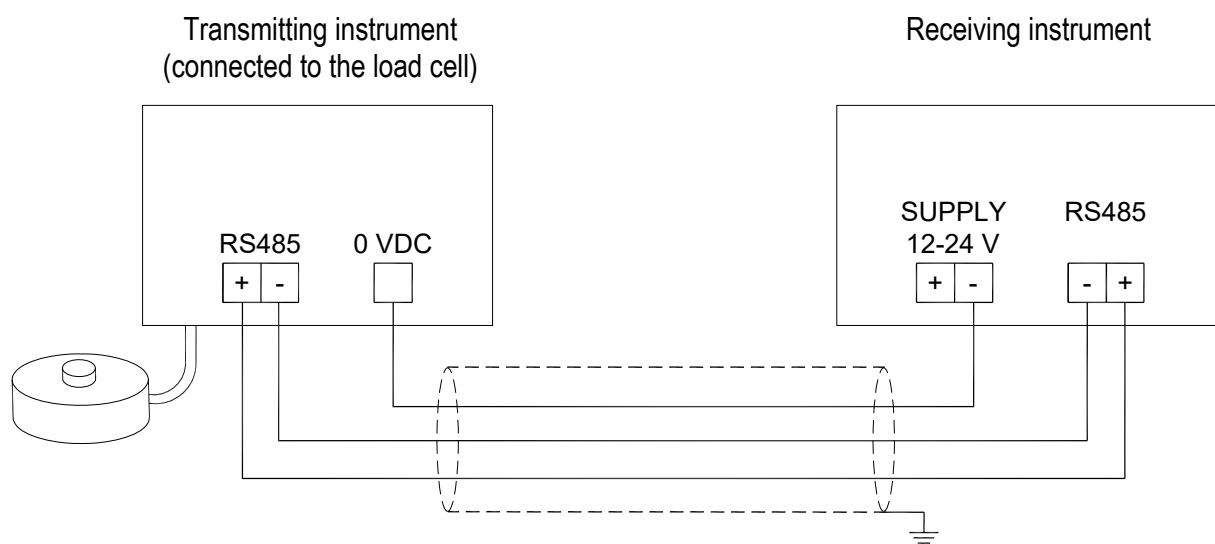


To access the terminal strip on the WDESK instruments with cable glands, you need to remove the bottom of the instrument unscrewing the six screws.

KEY TO D TYPE CONNECTORS

Connector	Pin	Signal	Internal terminal	Internal colour
P1 Power supply		+ SUPPLY (12/24 VDC)	7	red
		- SUPPLY (12/24 VDC)	8	black
D3 Male OUT 1 ÷ 5 E/EC option	1	OUTPUT No. 1 (max 24 V)	11	yellow
	2	OUTPUT No. 2 (max 24 V)	12	blue
	3	OUTPUT No. 3 (max 24 V)	13	white
	4	OUTPUT No. 4 (max 24 V)	14	green
	5	OUTPUT No. 5 (max 24 V)	3	orange
	6	OUTPUT COMMON (max 24 V)	15	purple
	7			
	8			
	9			
	10			
	11	E/EC OPTION	4	red
	12	E/EC OPTION: GND	8	black
	13			
	14			
	15			
D4 Male RS232 serial port	1			
	2	RS232: RXD	10	yellow
	3	RS232: TXD	9	blue
	4			
	5	RS232: SHIELD, GND	8	black
	6			
	7			
	8			
	9			
D5 Male RS485 serial port	1			
	2			
	3			
	4	RS485: +	6	yellow
	5	RS485: SHIELD, GND	8	black
	6	RS485: -	5	blue
	7	RS485: -	5	blue
	8			
	9	RS485: +	6	yellow

RS485 SERIAL COMMUNICATION

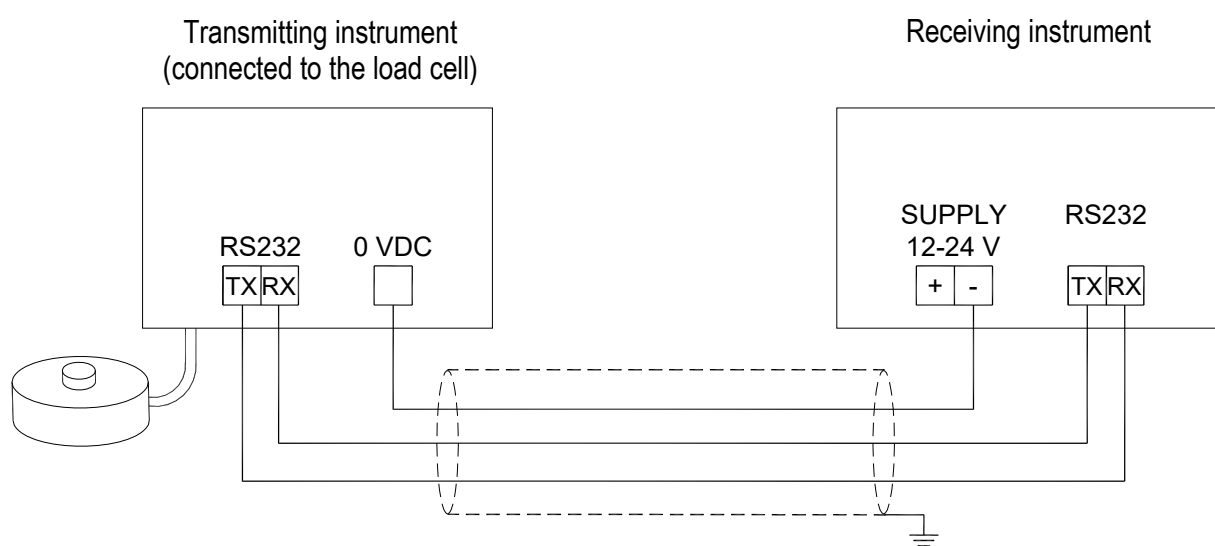


Instrument	RS485 +	RS485 -	SUPPLY -
W100 – W200	18	17	2
WDESK-LIGHT	10	9	21
WDESK L/R – WINOX L/R/2L – WTAB L/R	6	5	8

If the RS485 network exceeds 100 metres in length or baud-rate over 9600 are used, the network must be terminated at its ends:

- connect a 120 ohm resistor between the "+" and "-" terminals of the line, on the terminal strip of the instrument;
- close the RS485 termination jumpers on the furthest instrument (if present), otherwise connect a 120 ohm resistor on the terminal strip of the instrument.

RS232 SERIAL COMMUNICATION














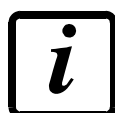
Instrument	RS232 TX	RS232 RX	SUPPLY -
W100 – W200	3	4	2
WDESK-LIGHT	7	8	21
WDESK L/R – WINOX L/R/2L – WTAB L/R	9	10	8

LED, SYMBOLS AND KEY FUNCTIONS

LED / SYMBOL	Function
NET	net weight (semi-automatic tare or preset tare)
→0←	zero (deviation from zero not more than ±0.25 divisions)
⌵	stability
g – kg – t – lb - pcs	unit of measure in use

KEYS: W100 – W200 – WDESK-LIGHT – WDESK-L/R – WINOX-L/R/2L – WTAB L/R

KEY		Short press	Long press (3 s)	Into menus
		Power-on	Power-off	
				Cancel or return to previous menu
				Select figure to be modified or return to previous menu item
				Modify selected figure or go to next menu item
		Setting setpoint and hysteresis		Confirm or enter in submenu
		Setting general parameters (press MENU immediately followed by ESC)		

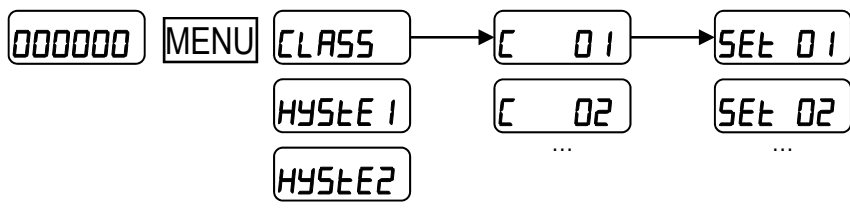


The LEDs light up in sequence (or, in instruments with LCD display, symbol “*” is on) to indicate that a setting and not a weight is being viewed

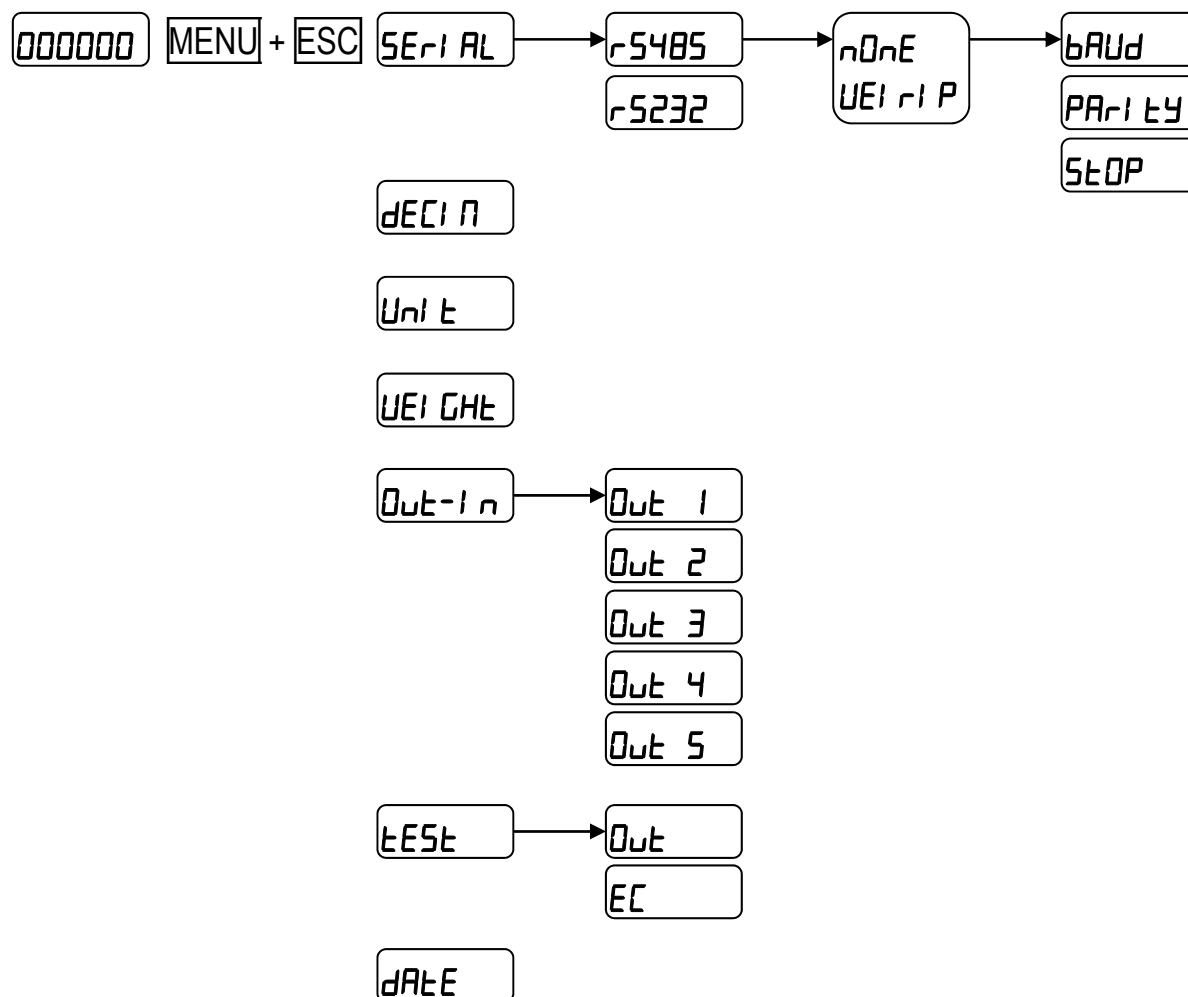
MENU MAP

Into menus changes are applied right after pressing the **ENTER** key (no further confirmation is required).

SETPOINT



SYSTEM PARAMETERS



WDESK-LIGHT does not support E/EC option: just class 1 and just two setpoint are available.

PROGRAMMING OF SYSTEM PARAMETERS

From the weight display, press **MENU** and **ESC** simultaneously to access the parameter setting.

SERIAL COMMUNICATION SETTINGS

MENU + **ESC** → *SERIAL*:

- *r5485 / r5232*: selects the communication port to configure.
- *nOnE*: disables any type of communication (default);
- *UEI rI P*: enables weight receiving on selected port;
 - *bAUD*: transmission rate (2400, 4800, 9600, 19200, 38400, 115200; default: 9600);
 - *PARI tY*:
 - *nOnE*: no parity (default);
 - *EUEr*: even parity;
 - *Odd*: odd parity;
 - *StOP*: stop bit (1 – 2; default: 1).

SETTING THE NUMBER OF DECIMALS

MENU + **ESC** → *dECI n*:

dECI n (from 0 to 4): sets the number of decimals; it MUST be equal to the number of decimals used by the transmitting instrument.

SETTING UNIT OF MEASURE

MENU + **ESC** → *Uni t*:

Uni t (default: *HI LOG*): sets the unit of measure to be used.

- *HI LOG*: kilograms;
- *G*: grams;
- *t*: tons.

SELECTION OF THE WEIGHT TYPE TO DISPLAY

MENU + **ESC** → *WEI GHT*:

WEI GHT: sets the weight type to display:

- *GrOSS*: gross weight;
- *net*: net weight (preceded by letter *n* in 7 segments display).

OUTPUTS AND INPUTS CONFIGURATION

MENU + **ESC** → *OUT-I n*:

The outputs are set as follows by default: *OPEN / GrOSS*

Possible operation modes:

- *OPEN* (normally open): the relay is de-energised and the contact is open when the weight is lower than the programmed setpoint value; it closes when the weight is higher than or equal to the programmed setpoint value.
- *CLOSE* (normally closed): the relay is energised and the contact is closed when the weight is lower than the programmed setpoint value; it opens when the weight is higher than or equal to the programmed setpoint value.
- *GrOSS*: the contact will switch on the basis of gross weight.
- *net*: the contact will switch on the basis of net weight (If the net function is not active, the contact will switch on the basis of gross weight).

TEST

MENU + **ESC** → *TEST*:

- **Output Test**:
OUT: setting *0* ensure that the corresponding output opens. Setting *1* ensure that the corresponding output closes.
- **E/EC Option Test**:
EC: it shows the group number of setpoint selected by the E/EC option, if the option is not present or is not active, the message *EC-Err* is displayed

DATE AND TIME SETTING

MENU + **ESC** → *DATE*:

Pressing **ENTER** several times scrolls through days - months – years and hours – minutes.

SETPOINT PROGRAMMING

From the weight display, press **MENU** to access the setpoint setting.

MENU → *CLASS* → *C 01* → *SET 01*:

- *CLASS*: connecting the E/EC option you can program 12 groups (classes) of different setpoint values; otherwise you can only set the first class. The E/EC position selects the valid relay release values.
- *SET* (from 0 to max full scale; default: 0): setpoint, weight value above which contact switching occurs. The type of switching can be set (see section **OUTPUTS AND INPUTS CONFIGURATION**).

MENU → *HYSÉE 1*:

- *HYSÉE* (from 0 to max full scale; default: 0): hysteresis, value to be subtracted from the setpoint to obtain contact switching threshold for the decreasing weight. For example, with SET = 100 and hysteresis = 10, switching occurs at 90 for the decreasing weight.

ALARMS

- *NOSEr*: no serial port set as *UEI rI P*.
- *NO CON*: communication problems between transmitter and receiver; check instrument electrical connections and settings.
- *EErDF*: maximum displayable value exceeded (value higher than 999999 or lower than -999999).
- *EErDL*: the weight display exceeds 110% of the full scale of transmitting instrument.
- *EErHd*: in transmitting instrument the *HdrI P* protocol has been set; change it to *rI P* protocol.
- *EErHdn*: in transmitting instrument the *HdrI Pn* protocol has been set; change it to *rI P* protocol.

RECEIVING PROTOCOL

The following string is received from the transmitting instrument:

&NxxxxxxLyyyyy\ckckCR

where: **&** = 1 character of string start (38 ASCII).

N = 1 character of net weight identification (78 ASCII).

xxxxxx = 6 characters of net weight or PEAK if present (48÷57 ASCII).

L = 1 character of gross weight identification (76 ASCII).

yyyyyy = 6 characters of gross weight (48÷57 ASCII).

**** = 1 character of separation (92 ASCII).

ckck = 2 ASCII checksum characters calculated considering the characters between “&” and “\” excluded. The checksum value is obtained from the calculation of XOR (exclusive or) of the 8-bit ASCII codes of the characters considered. This obtains a character expressed in hexadecimal with two digits that can have the values from “0” to “9” and from “A” to “F”. “ckck” is the ASCII code of the two hexadecimal digits.

CR = 1 character of string end (13 ASCII).

In case of negative weight, the first character on the left acquires the value “-” (minus sign - ASCII 45). In case of weight value is under -99999, the minus sign (“-”) is sent alternated with the most significant figure.

In case of error or alarm, the 6 characters of the gross weight are substituted by an error message (see section ALARMS on transmitting instrument manual).

RESERVED FOR THE INSTALLER

MENU LOCKING

This procedure allows any instrument menu access to be locked.

Select the menu that you wish to lock:

MENU → *C.LASS* press **ESC** and **◀** at the same time for 3 seconds, the display shows *C.LASS* (the point on the left over the writing indicates that this item is now locked). If the operator attempts to enter this menu, access is denied and *bLDC* is displayed.

MENU UNLOCKING

MENU → *C.LASS* press **ENTER** and **▲** at the same time for 3 seconds, the display shows *CLASS* (the point on the left over the writing goes off to indicate that this item is now unlocked).

TEMPORARY MENU UNLOCKING

MENU → *C.LASS* press **▲** and **◀** at the same time for 3 seconds: you can now enter and modify all menus including the locked ones. By returning to weight display, the lock is restored.

DATA DELETION AND PROGRAM SELECTION



WARNING: operations must only be performed after contacting technical assistance.

After each operation the display shows *dOnE*, press **ENTER** to continue.

By pressing **ESC** the procedure is cancelled and no changes are made.

Upon instrument power-on hold down the **ESC** key until the display shows *PrOG*, then proceed as follows:

CONSTANTS RESTORE (does not erase the calibration): confirm *PrOG*, use arrow keys to select *PrSSU*, set code 6935 and confirm.

PROGRAM SELECTION: confirm **PRGG** and use the arrow keys to select the desired program:

BASE: basic program, setpoint management only.

r iP: weight remote display program with setpoint.

- Set the weight reading mode (except for **r iP** program):
 - **CELL**: the weight is received either by load cells or intelligent junction boxes or transmitters connected to the instrument.
 - **SERIAL**: the weight is received via serial port (WEIMOD or WEIRIP mode).

 - Set the approval status (only if **r iP** have not been set)
 - **NOLEG**: not approved program;
 - **LEGAL**: approved program, single interval*;
 - **LEGN**: approved program, multi-interval*;
 - **LEGNr**: approved program, multiple range*;
- * *Contact technical assistance to request the proper manual and the correct procedures for approval, indicating mandatory hardware code and serial number (see section **INSTRUMENT COMMISSIONING**).*
- Set the active regulation on the instrument (only if **NOLEG** have not been set):
 - **OI NL**: approved program according to EN45501:2015 and OIML R76:2006 for UE;
 - **NTEP**: approved program according to NIST Handbook 44; NCWM PUB 14 for North America (NTEP).



When a W series instrument is used in combination with an intelligent junction box or a weight transmitter, the approval status set on both devices must be the same.

- Configure the connection to the CLM serie intelligent junction box or to the weight transmitter (only if **SERIAL** or **r iP** have not been set):
 - **ESYES**: intelligent junction box or transmitter connected to the instrument
 - **ESEN**: no intelligent junction box or transmitter connected

By confirming, the instrument is restored to default and data is erased.



If you do not have a specific manual for the newly set program, you can request it to technical assistance.

KEYPAD OR DISPLAY LOCKING

Press **ESC** immediately followed by **▲** and hold them down for about 5 seconds (this operation is also possible via the MODBUS and ASCII protocols):

- **FrEE**: no lock.
- **HEy**: keypad lock: if active, when a key is pressed the message **bLOC** is displayed for 3 seconds.
- **dI 5P**: keypad and display lock: if active, the keypad is locked and the display shows the instrument model (weight is not displayed); by pressing a key the display shows **bLOC** for 3 seconds.

DECLARATION OF CONFORMITY - EU

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SISTEMI DI PESATURA INDUSTRIALE - CELLE DI CARICO - BILANCE

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SISTEMA QUALITÀ CERTIFICATO UNI EN ISO 9001 - SISTEMA GESTIONE AMBIENTALE ISO 14001 - MODULO D: GARANZIA DELLA QUALITÀ DEL PROCESSO DI PRODUZIONE

I	Dichiarazione di conformità	Dichiariamo che il prodotto al quale la presente dichiarazione si riferisce è conforme alle norme di seguito citate.
GB	Declaration of conformity	We hereby declare that the product to which this declaration refers conforms with the following standards.
E	Declaración de conformidad	Manifestamos en la presente que el producto al que se refiere esta declaración está de acuerdo con las siguientes normas
D	Konformitäts-erklärung	Wir erklären hiermit, dass das Produkt, auf das sich diese Erklärung bezieht, mit den nachstehenden Normen übereinstimmt.
F	Déclaration de conformité	Nous déclarons avec cela responsabilité que le produit, auquel se rapporte la présente déclaration, est conforme aux normes citées ci-après.
CZ	Prohlášení o shode	Tímto prohlašujeme, že výrobek, kterého se toto prohlášení týká, je v souladu s níže uvedenými normami.
NL	Conformiteit-verklaring	Wij verklaren hiermede dat het product, waarop deze verklaring betrekking heeft, met de hierna vermelde normen overeenstemt.
P	Declaração de conformidade	Declaramos por meio da presente que o produto no qual se refere esta declaração, corresponde às normas seguintes.
PL	Deklaracja zgodności	Niniejszym oświadczamy, że produkt, którego niniejsze oświadczenie dotyczy, jest zgodny z poniższymi normami.
RUS	Заявление о соответствии	Мы заявляем, что продукт, к которому относится данная декларация, соответствует перечисленным ниже нормам.

Models: W100, W200, W200IP64, W200IP67, WDESK-LIGHT, WDESK-L, WDESK-R, WINOX-L, WINOX-R, WINOX-2L, WTABL, WTABR

Mark Applied	EU Directive	Standards
CE	2014/35/EU Low Voltage Directive	<i>Not Applicable (N/A)</i> for VDC type EN 61010-1:2010+A1:2019 for 230/115 VAC type
CE	2014/30/EU EMC Directive	EN 55011:2016+A1+A11:2020 EN 61000-6-2:2019 EN 61000-6-4:2019 EN 61000-4-2:2009 EN 61000-4-3:2006+A2:2010 EN 61000-4-4:2012 EN 61000-4-5:2014+A1:2017 EN 61000-4-6:2014
CEM (only if "M" mark is applied)	2014/31/EU NAWI Directive	EN 45501:2015 OIML R76-1:2006

Montechiarugolo (PR), 21/11/2022

LAUMAS Elettronica s.r.l.
M. Consonni
(Legal Representative)

M. Consonni

DECLARATION OF CONFORMITY - UKCA

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NL	Conformiteit-verklaring	Wij verklaren hiermede dat het product, waarop deze verklaring betrekking heeft, met de hierna vermelde normen overeenstemt.
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Models: W100, W200, W200IP64, W200IP67, WDESK-LIGHT, WDESK-L, WDESK-R, WINOX-L, WINOX-R, WINOX-2L, WTABL, WTABR

Mark Applied	UK legislation	Standards
UK CA	Electrical Equipment (Safety) Regulations 2016	<i>Not Applicable (N/A)</i> for VDC type BS EN 61010-1:2010+A1:2019 for 230/115 VAC type
UK CA	Electromagnetic Compatibility Regulations 2016	BS EN 55011:2016+A1+A11:2020 BS EN 61000-6-2:2019 BS EN 61000-6-4:2019 BS EN 61000-4-2:2009 BS EN 61000-4-3:2006+A2:2010 BS EN 61000-4-4:2012 BS EN 61000-4-5:2014+A1:2017 BS EN 61000-4-6:2014
UK CA M (only if "M" mark is applied)	Non-automatic Weighing Instruments Regulations 2016	BS EN 45501:2015

Montechiarugolo (PR), 21/11/2022

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Consonni Massimo

On our website www.laumas.com there are videos on the guidelines for correct installation of weighing systems and video tutorials on configuring our transmitters and weight indicators.

All Laumas product manuals are available online. You can download the manuals in PDF format from www.laumas.com by consulting the Products section or the Download Area. Registration is required.

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