

WINOXL-B	Base - LCD display
WINOXL-C	Load - LCD display
WINOXL-S	Unload - LCD display
WINOXL-3	3 Products - LCD display
* WINOXL-6	6 Products - LCD display
* WINOXL-14	14 Products - LCD display
WINOXL-MU	Six different operating modes SELECTABLE BY CUSTOMER: BASE, LOAD, UNLOAD, 3/6/14 PRODUCTS (8-relay modules NOT included).....
WINOXR-B	Base - red LED display
WINOXR-C	Load - red LED display
WINOXR-S	Unload - red LED display
WINOXR-3	3 Products - red LED display
* WINOXR-6	6 Products - red LED display
* WINOXR-14	14 Products - red LED display
WINOXR-MU	Multiprogram: Six different operating modes SELECTABLE BY CUSTOMER: BASE, LOAD, UNLOAD, 3/6/14 PRODUCTS (8-relay modules NOT included).....

- A/D Converter 24bit (16000000 points) 4800Hz
- Display range 999999
- Conversion rate 300 Hz

GOST R Добровольная
Russian Standards **PGT** on request
содержащая



On request: Data storage on Pen Drive USB

DESK ver.
CE - M
APPROVABLE
10000 divisions
0.2 μV/VS1

Certificato di registrazione
Europeo del Design
European Community
registered design



STANDARD

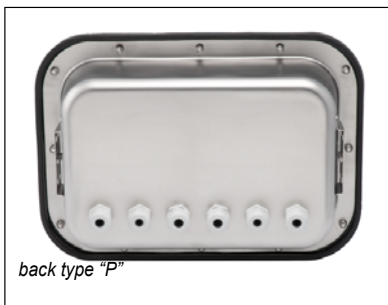
wall version with bracket that can be used also for desk

EXAMPLES OF INSTALLATION



see **OPTIONS** on request

back view



back type "P"

(with 6 PG9 cable glands - power supply included)



AISI 304 stainless steel weight Indicator (dimensions: 206x286x108 mm) with 6 PG9 cable glands, IP68 (optional: IPX9K) protection rating, stainless steel adjustable bracket included (overall dimensions with bracket: 206x290x187 mm). Options: panel / desk / column mounting. Six-key membrane keyboard with buzzer. Real-time clock with buffer battery.

- **WINOX-L:** Six-digit backlit LCD semialphanumeric display (20 mm h), 7 segment; 46 signaling symbols.
- **WINOX-R:** Six-digit red LED semialphanumeric display (20 mm h), 7 segment; 16 signaling LED.

WINOX-L/R

Two serial ports (RS232 and RS485) for connection to:

- PC/PLC up to 32 instruments (max 99 with line repeaters) by ASCII Laumas protocol (compatible with W60000 only for WINOX- L/R BASE) or ModBus RTU.
- Remote display.
- Printer.

Optional integrated output: Profibus DP, DeviceNet, CANopen, Profinet IO, Ethernet/IP, Ethernet TCP/IP (**connectable to your smartphone, tablet, etc.. via web**), Modbus/TCP.

THEORETICAL CALIBRATION is performed via the keyboard.
REAL CALIBRATION with linearization up to 5 points.

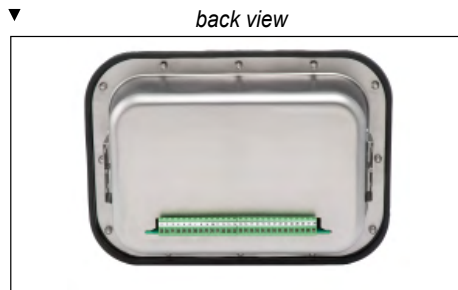
TECHNICAL FEATURES

12 - 24VDC +/-10% ; 6W
 max 8 (350 ohm) ; 5VDC / 120 mA
 < 0.01% Full Scale ; < 0.01% F.S.
 < 0.0005 % F.S./°C < 0.003 % F.S./°C
 24 bit (1600000 points) 4.8kHz
 ± 999999
 ± 39 mV
 ± 7 mV/V
 300 conversions/sec.
 - 999999 ; + 999999
 0 - 4 / x 1 x 2 x 5 x 10 x 20 x 50 x 100
 0.012 - 7 sec / 5 - 300 Hz
 N. 5 - max 115 VAC ; 150 mA
 (N. 4 - Analog output versions)
 N. 3 - optoisolated 5 - 24 VDC PNP
 (N. 2 - Analog output versions)
 RS232, RS485
 2400, 4800, 9600, 19200, 38400, 115200
 85%
 -30°C + 80°C
 -20°C + 60°C
 -10°C + 40°C

POWER SUPPLY and CONSUMPTION
 NUMBER OF LOAD CELLS IN PARALLEL and SUPPLY
 LINEARITY/ LINEARITY OF THE ANALOG OUTPUT
 THERMAL DRIFT / THERMAL DRIFT OF THE ANALOG OUT.
 A/D CONVERTER
 MAX DIVISIONS (with measure range: +/- 10mV =2mV/V)
 MEASURE RANGE
 MAX LOAD CELL'S SENSITIVITY
 MAX CONVERSIONS PER SECOND
 DISPLAY RANGE
 DECIMALS / DISPLAY INCREMENTS
 DIGITAL FILTER / CONVERSION RATE
 LOGIC OUTPUTS (relays)

LOGIC INPUTS

SERIAL PORTS
 BAUD RATE
 HUMIDITY (condensate free)
 STORAGE TEMPERATURE
 WORKING TEMPERATURE
 WORKING TEMPERATURE (CE-M APPROVED)



PANEL version with extractable terminal board.
 Dimensions 206 x 286 x 96 mm (drilling template: 160 x 248 mm)



IP40 DESK version with 6 D-SUB connectors. Dimensions: 206 x 286 x 85 mm. Power supply included.



IP68 ATEX

 II 3GD (zone 2-22) with 6 cable glands. Dimensions: 206 x 286 x 108 mm (drilling template in case of panel mounting: 160 x 248 mm). Bracket included.



IP65 version with 6 nickel-plated circular connectors. Dimensions: 206 x 286 x 160 mm (drilling template in case of panel mounting: 160 x 248 mm). Power supply included. Bracket included.

OPZIONI A RICHIESTA :

- ★(3) - USCITAANALOGICA 16 bit optoisolata: 0-20 mA; 4-20 mA (max 300 Ω); 0-10 V; 0-5 V; ±10 V; ±5 V (min. 10 kΩ)
- (11) - Alimentazione 115/230 Vca 50/60 Hz 6 VA (solo versioni **P - N**).....
 - **Q**: Versione da FRONTE QUADRO con morsetteria estraibile
 - **D**: Versione da TAVOLO IP40 con 6 vaschette D-SUB
 - **N**: Versione IP65 con 6 connettori circolari in acciaio nichelato
 - **X**: Versione IP68 ATEX II 3GD (zona 2-22) con 6 pressacavi
 - **STAFFAIWINOXSUP**: Supporto ABS da fissare alla staffa per montaggio a colonna
 - **COLONNAM+STAFFAI**: Colonna inox portaindicatore (Ø 38 mm, h 700 mm) con staffa in acciaio inox per fissaggio a piattaforma
 - **COLONNAM+STAFFAC**: Colonna inox portaindicatore (Ø 38 mm, h 700 mm) con staffa in acciaio verniciato per fissaggio a piattaforma
 - Verificazione prima in abbinamento a ns modulo di pesatura
 - **OPZWALIBI**: Memoria fiscale
 - **E**: Selezione delle prime 12 formule/setpoint da contatti esterni
 - **EC**: Selezione prime 12 formule/setpoint da commutatore esterno
 - **ALI24SPINA/ALI24SPINAJACK**: Aliment. stabilizzato spina 24V 450mA
 - **ALI24SPINAPRESA**: Alimentatore stabilizzato spina 24V 450mA con presa e supporto per barra omega
- (11) - **OPZWBATTWINOX**: Alimentazione con batteria interna ricaricabile 12V 2,2Ah non estraibile (20 ore autonomia). Non disponibile per la versione "D"
- **OPZWING010**: Lettura peso da ingresso 0-10 Vcc (15 kΩ).....
- **OPZWING420**: Lettura peso da ingresso 4-20 mA (120 Ω).....
- **OPZWINGSER**: Lettura peso da ingresso seriale di 1 strumento.....
- ★ - **OPZW1RADIOWINOX**: Ricetrasmisione radio.....
- ★ - **OPZW1RS485**: Porta RS485 aggiuntiva
- (2-7) - **OPZWSCARP**: Scarichi parziali a fine ciclo.....
- (2-7) - **OPZWSCARI**: Scarichi intermedi tra un prodotto e il successivo
- (2) - **OPZWSCA3614**: Scarico di più prodotti dalla stessa bilancia
- **OPZWDATIPC**: Trasferimento dei dati via seriale a PC.....
- (6-9) - **OPZWUSB68**: Memorizzazione dati su chiavetta USB (inclusa) mediante porta USB a tenuta stagna (IP68) incorporata.....
- **OPZWCONUSBIP68**: Cavo prolunga USB IP68 da pannello.....
- **OPZWCONETHEIP68**: Cavo prolunga ethernet IP68 da pannello (0.5 m)
- **OPZWCONETHE5MT**: Cavo prolunga ethernet IP68 (5 m)
- (2) - **OPZWFORPERC**: Impostazione delle formule in percentuale.....
- (5-7) - **OPZWQMC**: Impostazione di una quantità da dosare maggiore della capacità della bilancia con calcolo automatico dei cicli dosaggio
- **RELE5M**: Modulo relé 2A (non disponibile per 6/14 PRODOTTI)
- **RELE6PROD24V**: Modulo 8-relé per 6/14 Prodotti (12-24 Vcc)
- **RELE6PROD115V**: Modulo 8-relé per 6/14 Prodotti (115 Vca)
- **RELE6PROD230V**: Modulo 8-relé per 6/14 Prodotti (230 Vca)
- **RELE14PROD**: Modulo 8-relé aggiuntivo per 14 Prodotti
- (1) - **OPZWLAUMAN**: Dosaggio manuale guidato con ripetitori di peso
- ★(4-8) - **OPZW1CA**: Protocollo CANopen.....
- ★(4-8) - **OPZW1DE**: Protocollo DeviceNet
- ★(8) - **OPZW1PR**: Protocollo Profibus DP
- ★(4-6-10) - **OPZW1ETIP68**: Protocollo Ethernet/IP (porta ethernet IP68).....
- ★(4-6-10) - **OPZW1ETTCP68**: Protocollo Ethernet TCP/IP (porta ethernet IP68).....
- ★(4-6-10) - **OPZW1MBTCP68**: Protocollo Modbus/TCP (porta ethernet IP68).....
- ★(4-6-10) - **OPZW1PNETIO68**: Protocollo Profinet IO (porta ethernet IP68).....
- ★ - **OPZW1LOADCELL2**: ingresso per collegare una seconda cella di carico
- **IPX9KWINOX**: Dichiarazione di conformità + Marcatura grado IPX9K per l'indicatore

OPTIONS ON REQUEST :

- 16 bit optoisolated ANALOG OUTPUT: 0-20mA; 4-20mA (max 300 ohm); 0-10V; 0-5V; ±10V; ±5V (min. 10 kohm)
- Power supply 115/230 VAC 50/60 Hz 6 VA (**P - N** ver. only)....
- PANEL version with extractable terminal board
- IP40 DESK version with 6 D-SUB connectors
- IP65 version with 6 nickel-plated circular connectors
- IP68 ATEX version II 3GD (zone 2-22) with 6 cable glands
- ABS adjustable bracket for column mounting
- Indicator stainless steel stand (Ø 38 mm, h 700 mm) with stainless steel bracket for platform mounting
- Indicator stainless steel stand (Ø 38 mm, h 700 mm) with painted steel bracket for platform mounting
- Initial verification (Legal Metrology)
- Alibi memory.....
- 12 formulas/setpoint selection from external contacts.....
- 12 formulas/setpoint selection from external selector switch
- Switching power supply plug 24V 450mA
- Switching power supply plug 24V 450mA with socket and support for Omega rail
- Power supply with internal rechargeable 12V 2.2Ah battery non-removable (20-hour operating time). Not available for type "D"
- Weight reading from 0-10Vdc (15kΩ) input
- Weight reading from 4-20mA (120Ω) input
- Weight reading via serial input of 1 instrument
- Two-way radio transmission
- RS485 additional port.....
- End cycle partial unloadings
- Unloadings between a product and the next.....
- Unloading of more products from same scale
- Data transfer via serial port to PC.....
- Storage of data on USB Pen Drive (included) by USB IP68 sealed port built-in
- IP68 USB panel extension cable
- IP68 ethernet panel extension cable (0.5 m)
- IP68 ethernet extension cable (5 m)
- Formula setting in percentage
- Possibility of setting a quantity to be batched greater than the scale capacity with automatic calculation of cycles ...
- 2A relay module (not available for 6/14 PRODUCTS)
- 8-Relay module for 6/14 Prod. (12-24VDC)
- 8-Relay module for 6/14 Prod. (115VAC).....
- 8-Relay module for 6/14 Prod. (230VAC).....
- Additional 8-relay module for 14 Prod.
- Assisted manual batching with remote displays
- CANopen protocol
- DeviceNet protocol
- Profibus DP protocol.....
- Ethernet/IP protocol (IP68 ethernet port)
- Ethernet TCP/IP protocol (IP68 ethernet port)
- Modbus/TCP protocol (IP68 ethernet port).....
- Profinet IO protocol (IP68 ethernet port).....
- Input for connecting a second load cell
- Declaration of conformity + IPX9K marking protection rating for weight indicators

(1) non disponibili per modello BASE

(2) disponibili per modelli 3-6-14 PRODOTTI

(3) se presente l'uscita analogica non sono disponibili l'ingresso sul morsetto 2 e l'uscita sul morsetto 3 (vedi schemi elettrici); inoltre non sono disponibili le opzioni E / EC

(4) disponibile per modello BASE

(5) disponibile per modelli 3-6-14 PRODOTTI e CARICO

(6) per versione "D" i connettori USB/Ethernet non sono IP68

(7) non disponibile per la versione omologata CE-M

(8) per versione "Q" la porta RS485 integrata non è disponibile. Per versione "N" l'uscita analogica e le opzioni E/EC non sono disponibili. Inoltre non sono disponibili l'uscita N.5 e l'ingresso N.3.

(9) non disponibile per versione ATEX

(10) per versione ATEX i connettori non sono IP68

(11) l'alimentazione 115/230 esclude l'opzione batteria e viceversa.

★

(1) not available for model BASE

(2) available for models 3-6-14 PRODUCTS

(3) if analog output is present: input on terminal 2 and output on terminal 3 are not available (see wiring diagrams); E / EC options not available

(4) available for model BASE

(5) available for models 3-6-14 PRODUCTS and LOAD

(6) for version "D": USB/Ethernet connectors are not IP68

(7) not available for CE-M approved versions

(8) for version "Q": RS485 integrated serial port is not available. For version "N": Analog output and E/EC option are not available. Also No.5 output and No.3 input are not available.

(9) not available for ATEX versions

(10) for ATEX version the connectors are not IP68

(11) Power supply 115/230 excludes battery option and vice versa.

★) you can only choose one option from those marked with asterisk.

WINOX-L/R**STAINLESS STEEL IP68 (optional: IPX9K) WEIGHT INDICATORS**

Data storage (weighed values, batchings, alarms) on Pen Drive USB. These data can be imported and processed on PC using the PROG-DB software included in the supply.

Data can be saved in two different ways, continuous or manual:

- Continuous: USB pen must always be inserted during the instrument operation.

- Manual: the operator inserts the pen into the instrument only when needs to copy the data from the instrument.

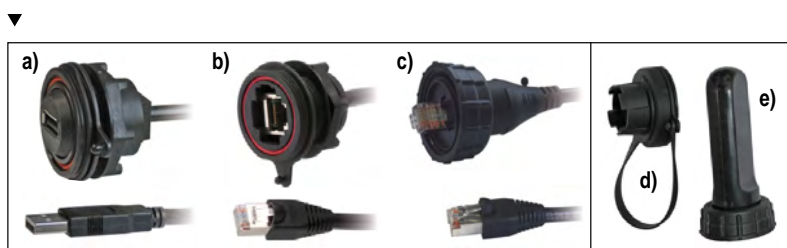
Note: for version "D" the USB connector is not IP68.

Data transfer (weighed values, batchings, alarms) from the weight indicator to the PC via RS232 serial port (directly) or RS485 (by converter). These data can be imported and processed on PC using the PROG-DB software included in the supply.

We suggest to use this option when the indicator is always connected to the PC.

Manual batching with remote displays (example of application with 3 remote display side by side).

This option allows to display on different remote displays, connected in parallel to the instrument via RS485 serial port, the following batching information: formula and product number, instrument status, the remaining quantity to be batched, gross weight.



IP68 USB extension cable (male/female) for panel mounting, sealed connector, 50 cm long cable, sealing cap (d) and cover (e) included.

IP68 ETHERNET extension cable (male/female) for panel mounting, sealed connector, 50 cm long cable, sealing cap (d) included.

IP68 ETHERNET extension cable (male/male) combined with OPZWCONETHEIP68, sealed connector, 5m long cable

▼ OPZW1ETIP68 - OPZW1ETTCP68 - OPZW1MBTCP68 - OPZW1PNETIO68



IP68 ETHERNET for the following optional protocols: Ethernet/IP, Ethernet TPC/IP, Modbus/TCP, Profinet IO.

Note: for version "D" the Ethernet connector is not IP68.

RELE14PROD

▼ RELE6PROD -24VI-115V I-230V



External 8-relay module to manage from 1 to 6 products; 8 relays up to max 115VAC/2A. Module already included for mod. 6/14 PRODUCTS.



External 8-relay module to manage from 7 to 14 product; to be added to RELE6PROD module; 8 relays up to max. 115VAC/2A. Module already included for mod. 14 PRODUCTS.

RELE5M



External 5-relay module to increase the capacity of SPDT contacts to 2A/115Vac. Option not available for mod. 6/14 PRODUCTS.

EC



For Load, Unload, 3/6/14 Products: Selector switch for 12 formulas selection. For Base: Selector switch for 12 groups selection by 5 setpoint.

▼ ALI24SPINA
ALI24SPINAJACK



power supply plug 24V 450mA, input 100-240VAC, 3 meters long cable.

▼ ALI24SPINAPRESA



switching power supply plug 24V 450mA, input 100-240 VAC, 3 meters long cable, with socket and support for Omega rail.



Indicator stainless steel stand (Ø 38 mm, h 700 mm) with bracket for platform mounting.

▼ STAFFAIWINOXSUP



ABS support to be fixed to the bracket for column mounting.

WINOXL/R-B Base

Main functions

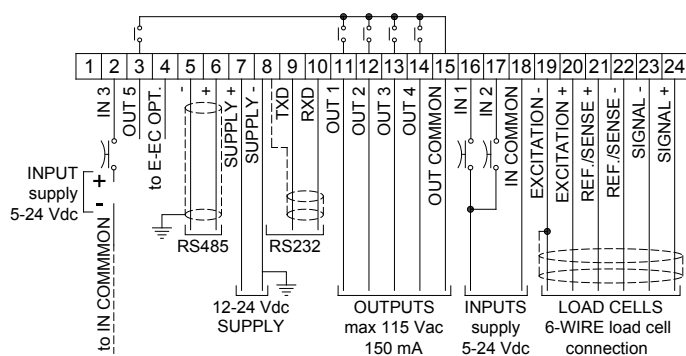
- 5 setpoints (4 setpoints if Analog Output is present) configurable as normally open or normally closed. The operator can decide the setpoints activation for the net weight value, gross weight value, otherwise for positive weights or for positive and negative weights.
- Counting.
- Totalizing.
- Setting of hysteresis value for each setpoint.
- 12 groups selection by 5 setpoint from selector switch or contacts (EC/E options).
- Peak holder displaying by closing the Peak contact.
- Net/Gross function by keyboard or external contact.
- Manual adjustment of zero value in case of zero-setting not possible.
- Auto zero function.
- Auto zero-tracking function.
- Print of the weight via keyboard or external contact with date and time.

Operation: The inputs can work as: net/gross weight, zero-setting, peak, print or can be remotely read via protocol. The outputs can works as setpoints or can be remotely switched via protocol.

Weight transmitter approved OIML R61 (Automatic Gravimetric Filling Instruments) according to WELMEC Guide 8.8:2011 (MID).CE-

M approvable EN45501-2009/23/EC-OIML R76:2006

- Maximum number of verification scale intervals n=10000
- Minimum input-voltage per VSI 0.2 μV
- Weighing range single range or multi range (max 3) or multi interval (max 3)
- Calibration via keyboard is protected through seals for the access to a setting jumper or installer password
- Semi-automatic zero and tare, predetermined tare functions.
- Weight subdivisions displaying (1/10 e)
- The following values can be printed from external contact: net/gross weight; tare; predetermined tare; date; time; ID code (if alibi memory is present)

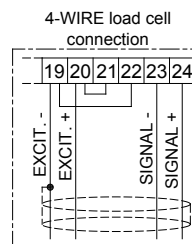
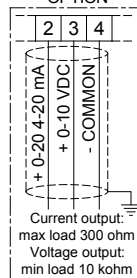


3 INGRESSI / 3 INPUTS
IMPOSTABILI CON FUNZIONE DI:
 - NETTO/LORDO
 - ZERO-SEMIAUTOMATICO
 - PICCO
 - STAMPA
 oppure **GESTIONE DA REMOTO.**
 THE INPUTS CAN BE REMOTELY SWITCHED VIA PROTOCOL OR WORK AS:
 - NET/GROSS WEIGHT
 - ZERO-SETTING
 - PEAK
 - PRINT

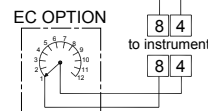
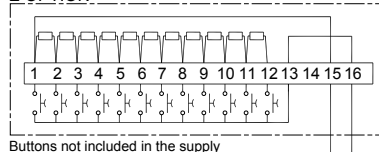
5 USCITE / 5 OUTPUTS
CINQUE SETPOINTS
IMPOSTABILI O GESTIONE DELLE USCITE DA REMOTO VIA PROTOCOLLO.
 THE OUTPUTS CAN WORK AS 5 SET POINTS OR CAN BE REMOTELY SWITCHED VIA PROTOCOL.

(1) Se presente l'uscita analogica non sono più disponibili:
 - ingresso **IN3**
 - uscita **OUT5**
 - opzioni **E / EC**
 If analog output is present therefore are not available:
 - **IN3** input
 - **OUT5** output
 - **E / EC** options

(1) ANALOG OUTPUT OPTION



E OPTION



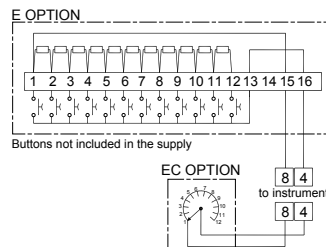
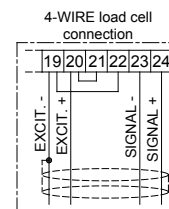
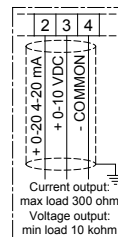
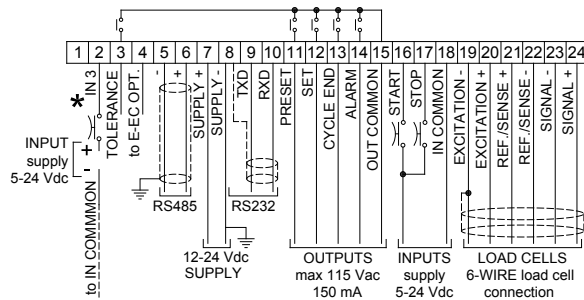
Main functions

- Memorization of 99 different formulas with SET and PRESET.
- Setting of a only Slow value for all 99 formulas.
- Automatic fall calculation after one or more batching cycles.
- Tolerance value setting for each formula.
- "Tapping" function: It is possible to select the slow-on and slow-off times.
- 12 formula selection from selector switch or external contacts (EC/E options).
- Autotare function after one or more batching cycles.
- It is possible to utilize the Tolerance and Alarm contacts as signals of maximum and minimum.
- Batching start from external contact for only one cycle.
- Batching start via keyboard: it is possible to program the desired batching cycles (max. 9999).
- Calculation of total consumption and consumption of each formula.
- The following values can be printed via the keyboard: constants, formulas, consumption. Automatic printout of batching data.
- In the event of a power failure during batching, the microprocessor can resume batching from the point of interruption.
- Pause of the batching by the keyboard.

Operation: By closing the START contact or by pressing the Start key, the operator or external logic (EC/E options) selects the formula and starts the batching. The instrument verifies that approval contact is closed (if available) the weight is lower than the minimum one; executes the autotare (if enabled). After the delay tare time has elapsed (max 99.9 sec.) it closes the set and preset contacts. When the weight has reached the preset value the relative contact is opened, once it has reached the set value minus the fall value the set contact is opened and after the waiting time (max 999.9 sec.) after the start contact is closed and the weight is stable (if enabled), it memorizes the consumption value and closes the cycle end contact, sending the batching data to the printer. When the weight has reached the minimum weight (unloading phase) and after the safe emptying time has elapsed (max 999.9 sec.) the instrument opens the cycle end contact. If more than one cycle has been programmed, the instrument will continue automatically.

Weight transmitter approved OIML R61 (Automatic Gravimetric Filling Instruments) according to WELMEC Guide 8.8:2011 (MID).

CE-



- * Ingresso IN3 può avere le seguenti funzioni:
- ZERO SEMIAUTOMATICO (default)
 - CONSENSO
 - PESO NETTO / LORDO

IN3 input has the following functions:

- SEMI-AUTOMATIC ZERO (default)
- APPROVAL
- NET / GROSS WEIGHT

- (1) Se presente l'uscita analogica non sono più disponibili:
- ingresso IN3
 - uscita TOLLERANZA
 - opzioni E / EC
- If analog output is present therefore are not available:
- IN3 input
 - TOLLERANCE output
 - E / EC options

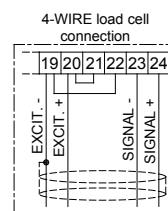
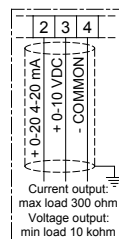
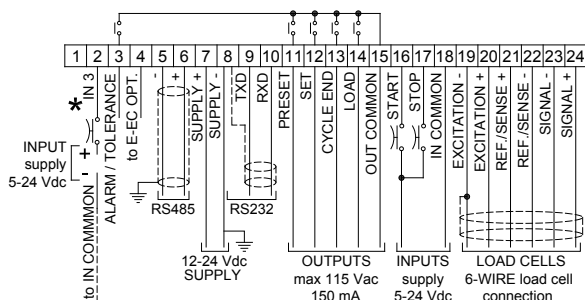
Main functions

- Memorization of 99 different formulas with SET and PRESET.
- Setting of a only Slow value for all 99 formulas.
- Automatic fall calculation after one or more batching cycles.
- Tolerance value setting for each formula.
- "Tapping" function: It is possible to select the slow-on and slow-off times.
- 12 formula selection from selector switch or external contacts (EC/E options).
- It is possible to utilize the Alarm/Tolerance contact as signals of maximum or minimum.
- Batching start from external contact for only one cycle.
- Batching start via keyboard: it is possible to program the desired batching cycles (max. 9999).
- Calculation of total consumption and consumption of each formula.
- The following values can be printed via the keyboard: constants, formulas, consumption. Automatic printout of batching data.
- In the event of a power failure during batching, the microprocessor can resume batching from the point of interruption.
- Pause of the batching by the keyboard.
- Automatic loading option if weight is below minimum value after batching.
- Possibility of unloading "big bag" by finishing the batching on next big bag in case of product lower than the programmed quantity.

Operation: By closing the START contact or by pressing the Start key, the operator or external logic (EC/E options) selects the formula and starts the batching. The instrument verifies that the approval contact is closed (if enabled), that there is enough weight on scale to perform the batching, displays "0" and then closes the set and preset contacts. The net weight increase is displayed while the weight is extracted. When the weight reaches the preset value the relative contact is opened, and when the set value minus the fall value is reached, the set contact is opened. Once elapsed the waiting time (max 999.9 sec., if enabled in the constants), after the start contact was closed and the weight is stable, the indicator memorizes the consumption a closes the cycle-end contact sending data for printing. The instrument opens the end cycle contact, after the safe emptying time has elapsed, then the instrument prepares to receive a new start or restart automatically if more cycles were programmed from the keyboard.

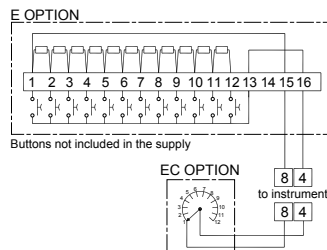
Weight transmitter approved OIML R61 (Automatic Gravimetric Filling Instruments) according to WELMEC Guide 8.8:2011 (MID).

CE-M



- ★ Ingresso IN3 può avere le seguenti funzioni:
- ZERO SEMIAUTOMATICO (default)
 - CONSENSO
 - PESO NETTO / LORDO
 - CARICO AUTOMATICO durante il dosaggio
- IN3 input has the following functions:
- SEMI-AUTOMATIC ZERO (default)
 - APPROVAL
 - NET / GROSS WEIGHT
 - AUTOMATIC LOADING during batching

- (!) Se presente l'uscita analogica non sono più disponibili:
- ingresso IN3
 - uscita ALLARME / TOLLERANZA
 - opzioni E / EC
- If analog output is present therefore are not available:
- IN3 input
 - ALARM / TOLERANCE output
 - E / EC options



WINOXL/R-3	3 Products	-	99 Formulas
WINOXL/R-6	6 Products	-	99 Formulas
WINOXL/R-14	14 Products	-	99 Formulas

Main functions

- Memorization of 99 different formulas.
- Programming products in a fixed increasing order or to steps 3/6/14, recalling the product in the desired order, repeating several times the same product (if possible).
- Setting of Fall, Slow and Tolerance values for each product.
- Automatic fall value calculation for each product.
- "Tapping" function: It is possible to select the slow-on and slow-off times.
- 12 formula selection from selector switch or external contacts (EC/E options).
- Batching in net weight for each product.
- It is possible to use the Alarm contact as signals of maximum and minimum.
- Batching start from external contact for only one cycle.
- Batching start via keyboard: it is possible to program the desired batching cycles (max. 9999).
- Calculation of total consumption for each product.
- The following values can be printed via the keyboard: constants, formulas, consumption. Automatic printout of batching data.
- In the event of a power failure during batching, the microprocessor can resume batching from the point of interruption.
- Pause of the batching by the keyboard.

Operation: By closing the START contact or by pressing the Start key, the operator or external logic (EC/E options) selects the formula and starts the batching. The instrument verifies that the approval contact is closed (if enabled), the weight is lower than the minimum one, executes the autotare (if enabled), then closes the contact of the first product set. Once reached the set value minus the Fall value, minus the Slow value, it closes its Slow contact. Once reached the set value minus the fall value, it opens the product contact and Slow contact and when the waiting time has elapsed (max 999,9 sec.), after the start contact has been closed (if enabled) and the weight is stable (if enabled), memorizes the consumption (if available) and closes the contact of another product if set in formula. Otherwise it closes the end cycle contact sending the data to the printer. When the weight has reached the minimum weight (unloading phase) and after the safe emptying time has elapsed (max 999.9 sec.) the instrument reopens the cycle end contact. If more than one cycle has been programmed, the instrument will continue automatically or getting ready to receive a new start.

Weight transmitter approved OIML R61 (Automatic Gravimetric Filling Instruments) according to WELMEC Guide 8.8:2011 (MID).

CE- **M**

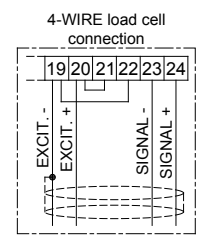
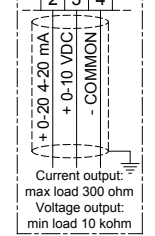
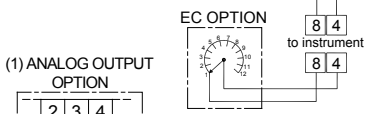
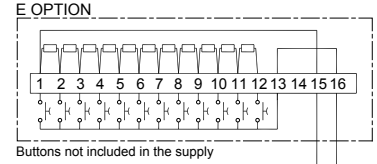
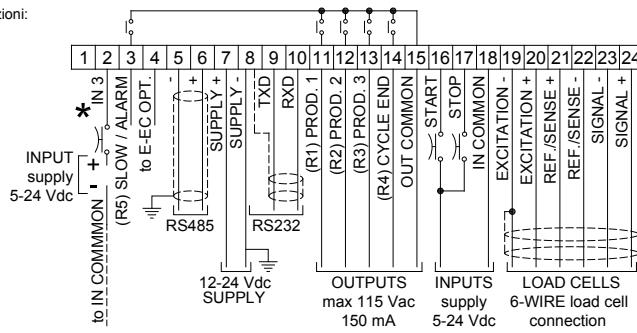
3 PRODOTTI / PRODUCTS

- ★ Ingresso IN3 può avere le seguenti funzioni:
- ZERO SEMIAUTOMATICO
 - CONSENSO (default)
 - PESO NETTO / LORDO

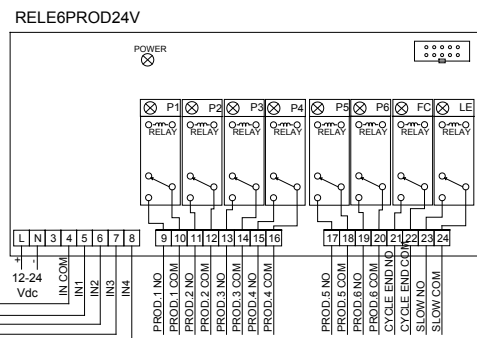
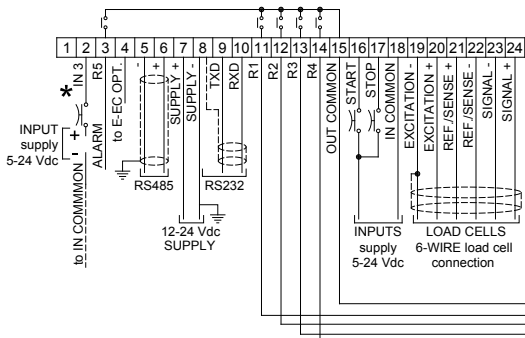
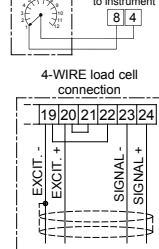
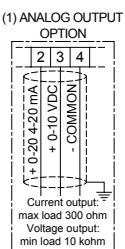
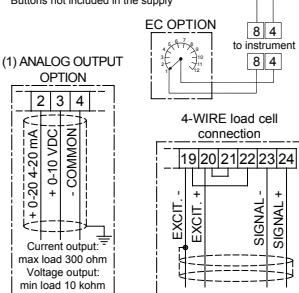
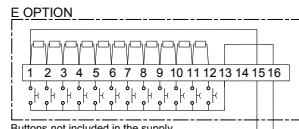
IN3 input has the following functions:

- SEMI-AUTOMATIC ZERO
- APPROVAL (default)
- NET / GROSS WEIGHT

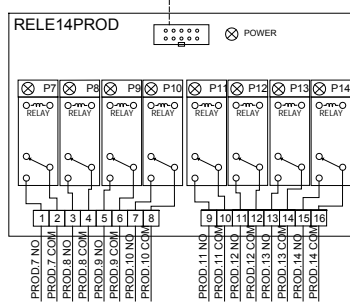
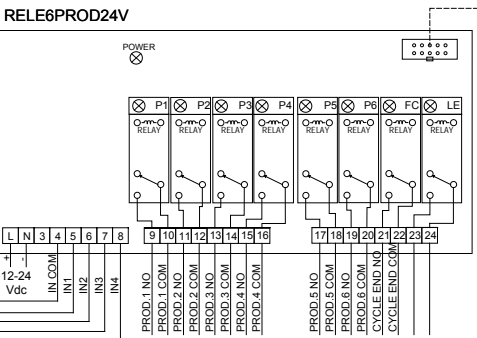
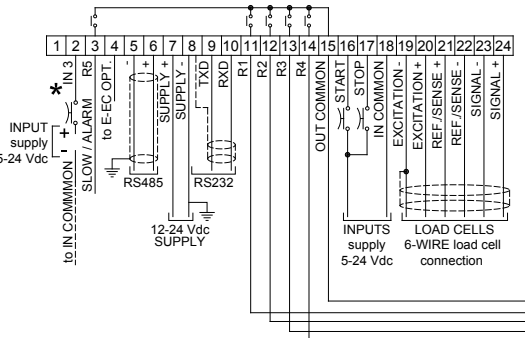
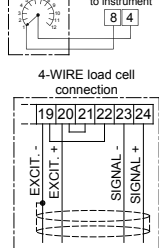
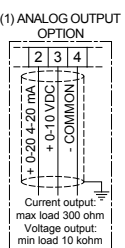
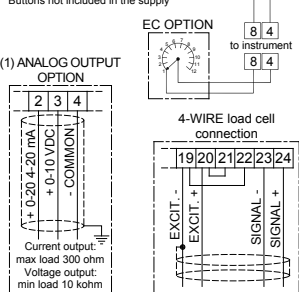
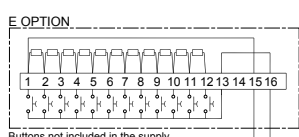
- (1) Se presente l'uscita analogica non sono più disponibili:
- ingresso IN3
 - uscita LENTO / ALLARME
 - opzioni E / EC
- If analog output is present therefore are not available:
- IN3 input
 - SLOW / ALARM output
 - E / EC options



6 PRODOTTI / PRODUCTS



14 PRODOTTI / PRODUCTS



RELE6PROD MODULE

R1	R2	R3	R4	OUTPUTS
I	I	I	0	PROD. 1
0	I	I	0	PROD. 2
I	0	I	0	PROD. 3
0	0	I	0	PROD. 4
I	I	0	0	PROD. 5
0	I	0	0	PROD. 6
I	0	0	0	CYCLE END
X	X	X	I	SLOW ★★

RELE14PROD MODULE

R1	R2	R3	R4	OUTPUTS
0	0	0	I	PROD. 7
I	0	0	0	PROD. 8
0	I	0	0	PROD. 9
I	I	0	0	PROD. 10
0	0	I	0	PROD. 11
I	0	0	0	PROD. 12
0	I	I	I	PROD. 13
I	I	I	I	PROD. 14

★★solo nel 6 PRODOTTI / 6 PRODUCTS only