User Manual

WWG-2 series large-size display

- **WWG-2/3**
- **WWG-2/4**

RADWAG

B A L A N C E S   A N D   S C A L E S

AUGUST 2014

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1. INTENDED USE

WWG-2 large-size display comprises six backlit LCDs with digits size of 4,5" (11,2 cm). The display is housed in a stainless steel casing. It is equipped with a mounting bracket allowing either for placing the display on a table or for hanging it on a wall.
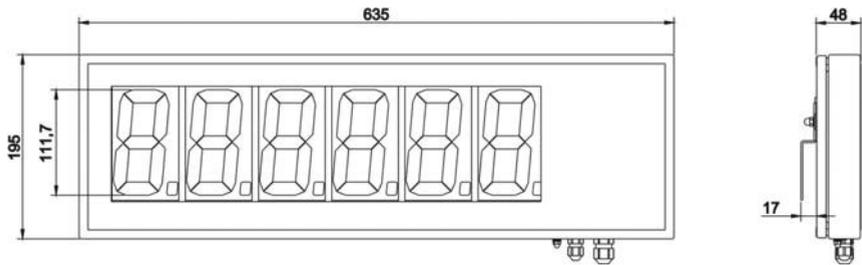
Communication with the indicator is established by means of **RS232** interface. **WWG-2/3** design is intended for operation with **PUE C/31H** indicator. **WWG-2/4** design is intended for operation with both, **PUE C/41H** indicator and **PUE 5** terminal. The display uses white diode backlight technology. It is powered with **230V AC**.

WWG displays mass measured by means of industrial scales. It is especially useful when measuring is performed in severe ambient conditions, i.e. when bright, intense, distant light (including sun) disrupts clear visibility.
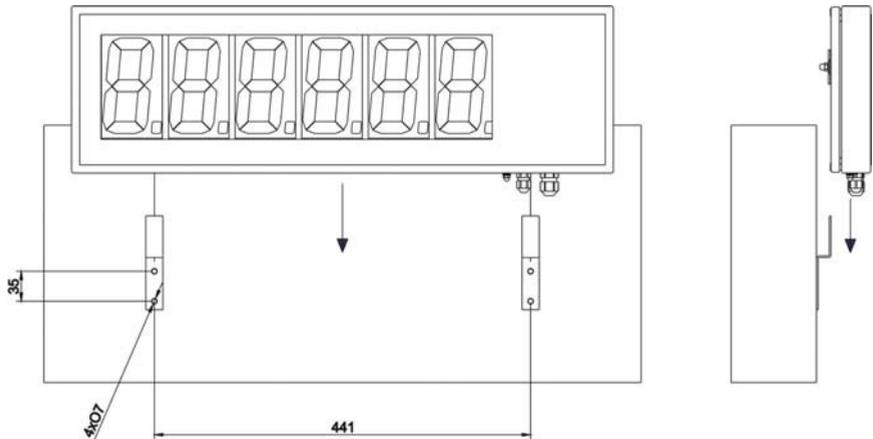
2. TECHNICAL SPECIFICATION

	WWG-2/3	WWG-2/4
Housing	Stainless steel	
Digits size	4,5" (11,2cm)	
Intended for indicator	PUE C/31H	PUE C41H, PUE 5
Communication	RS232	
Means of connecting	interface	
Signal cable length	3m (optionally max 10m)	
Power supply	230VAC	
IP rate	IP66/67	
Working temperature	od -20°C do +40°C	
Dimensions (mounting kit excluded)	635x195x48	
Mass (nett value)	5,5kg	

3. DIMENSIONS

4. MOUNTING

5. START-UP

Depending on cable type, the display shall be connected to RS232 interface of PUE C/31H and PUE C/41H indicator or PUE 5 terminal. Next it must be connected to mains. Upon establishing communication the display is backlit, the mass displayed.

Caution:
For correct cooperation of an indicator and a display it is necessary to set the display parameters in accordance with point 6.

6. SETTING PARAMETERS

PUE C/31H parameters:

	Parameter name and number	Parameter value
Printout type	2.1. Pr_n	CntA
Baud rate	2.3. bAud	2400 - 38400
Transmission parameters	2.4. S_rS	8d1SnP

PUE C41H parameters:

	Parameter name and number	Parameter value
Send Data Port	P 3.5.1 DISP. PORT	RS232(1), RS232(2)
Additional display type	P 3.5.2 DISP. TYPE	WWG
Baud rate	P 2.2-3.1 BAUD RATE	2400 - 38400
Transmission parameters	P 2.2.2 DATA BITS	8
	P 2.2.3 PARITY BITS	NONE
	P 2.2.4 STOP BITS	1

7. COOPERATION WITH AN INDICATOR
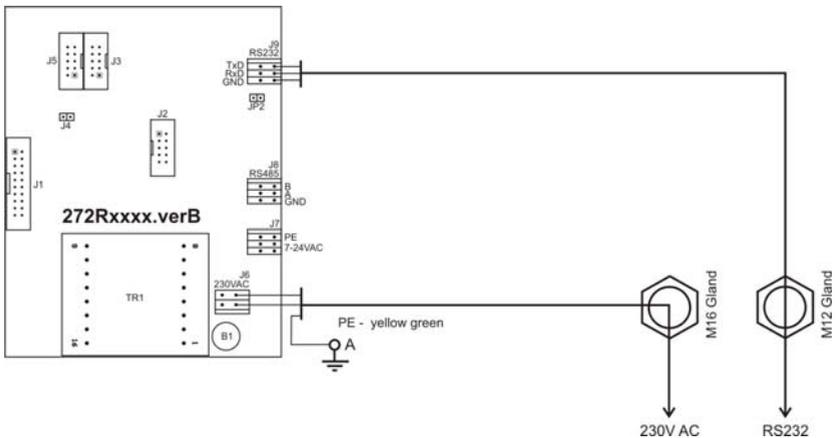
RS232 pins marking for WWG-2 large-size display boards:

Diagram of cable connecting PUE C/31H with RS232 port of WWG-2/3 large-size display:
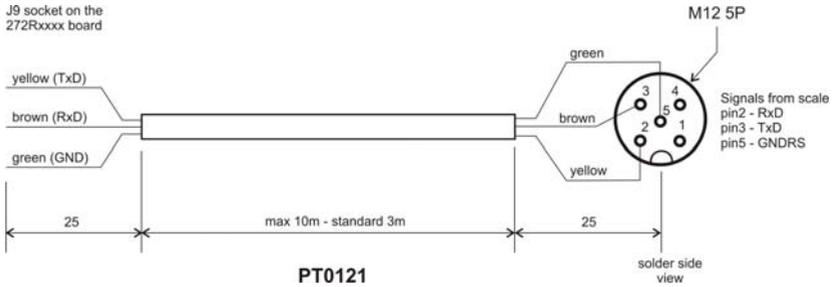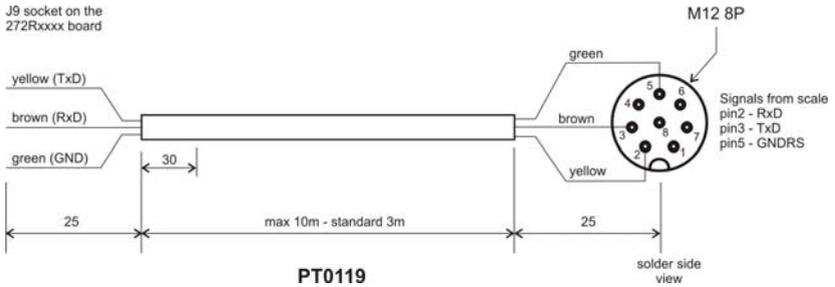

PT0121

Diagram of cable connecting PUE C/41H, PUE 5 with RS232 port of WWG-2/4 large-size display:

PT0119

8. COMMUNICATION PROTOCOL

The display supports frame formats sent in a form of continuous transmission.

Frame format:

1	2	3	4	5	6	7-15	16	17 18 19	20	21
S	I	space	Stability marker	space	character	mass	space	unit	CR	LF

Stability marker   [space] if stable
    [?] if unstable
    [^] if error of exceeding range to + occurs
    [v] if error of exceeding range to - occurs

Character   [space] for positive values
    [-] for negative values

Mass   9 characters with decimal point and right justification
Unit   3 characters with left justification
Command   3 characters with left justification

MANUFACTURER

O F   E L E C T R O N I C   W E I G H I N G
I N S T R U M E N T S

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