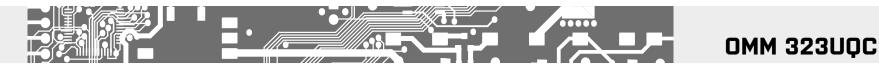
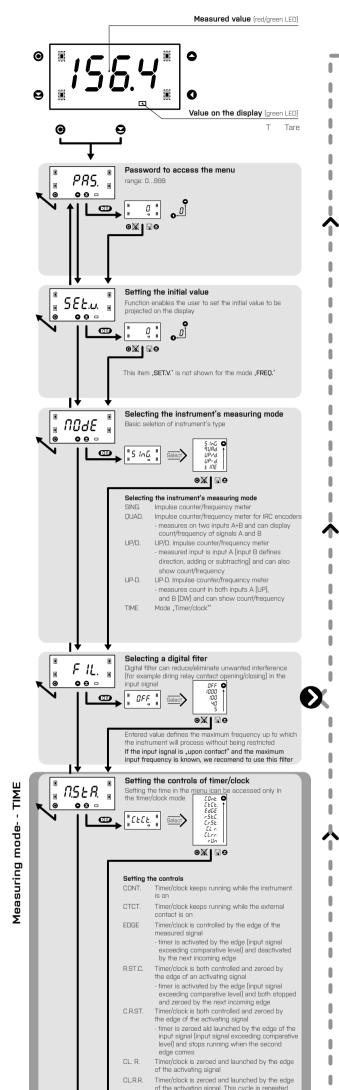
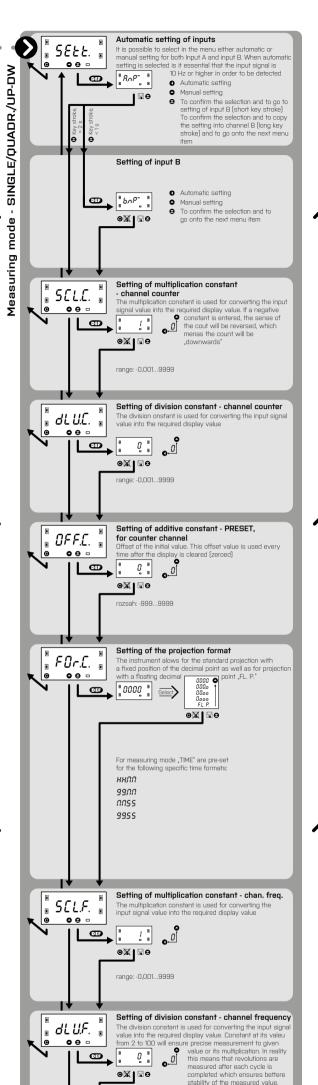
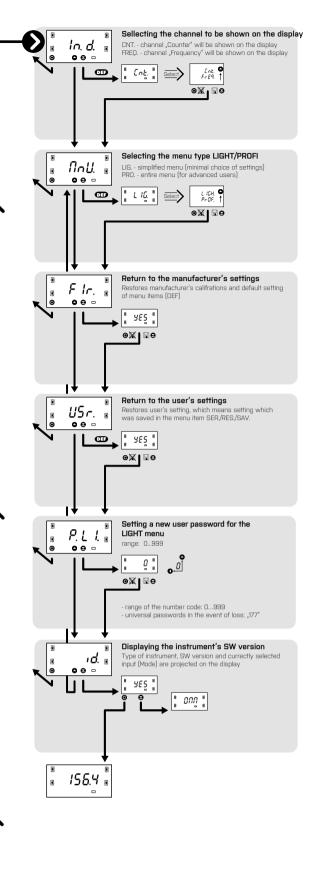
# SETTING **LIGHT**

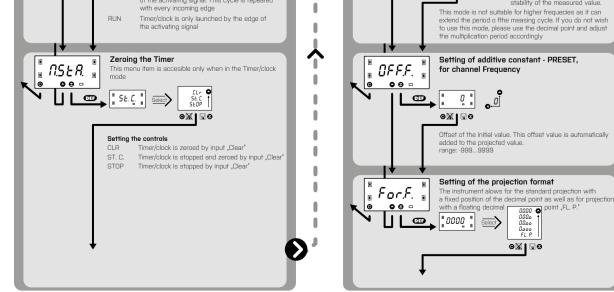


Programming diagram of the LIGHT MENU









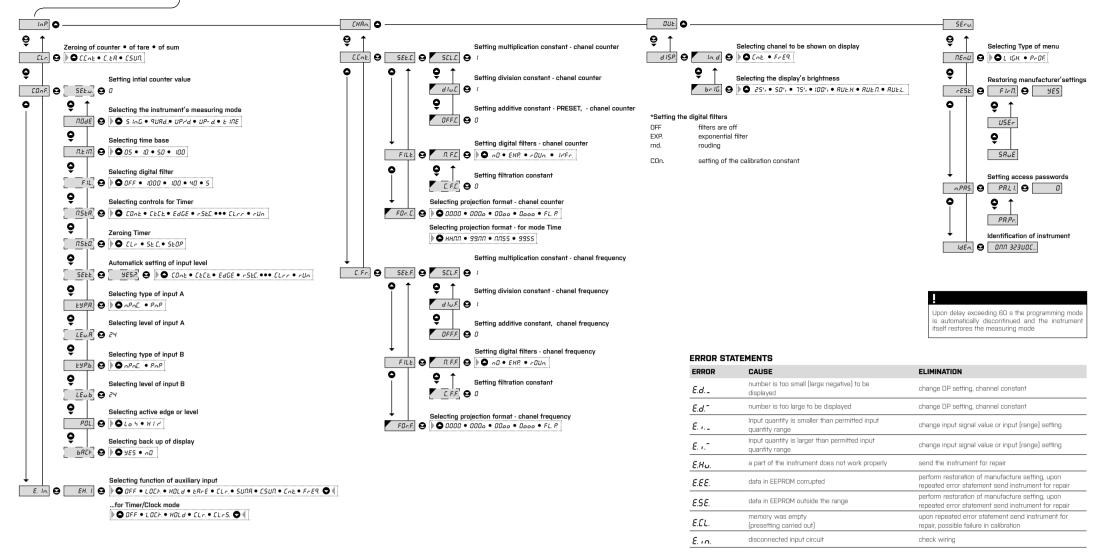




Programming diagram of the PROFI MENU

## 142.8 • + • PR55u. • 0 •

# **OMM 323UQC**







#### CONNECTIONS

	DESCRIPTION	CONNECTION
INPUT A	input signal < 60 V	GND + Input A
INPUT B	input signal < 60 V	GND + Input B/Zeroing

#### EXTERNAL INPUT

DESCRIPTION CONTROLS controlling input, its function is set in the menu upon contact, terminal (no. 3 + 4) EXT. 1 [see. Menu > EXT. IN.]

#### COMPARATOR LEVEL TABLE (V)

ТҮРЕ	MAXIMUM VOLTAGE	MAXIMUM COMP	ARATION LEVELS	
OF INPUT	(LEVEL A, B)	L>H	H > L	
NPN, Contact	XXX	0,5 V	4,5 V	
PNP	9,7 V	0,5 V	4,5 V	
PNP	14,4 V	1,0 V	9,0 V	
PNP	19,2 V	1,5 V	13,3 V	
PNP	23,9 V	2,0 V	17,8 V	
PNP	28,7 V	2,5 V	22,1 V	
PNP	33,5 V	3,0 V	26,6 V	
PNP	38,3 V	3,4 V	31,0 V	
PNP	43,0 V	3,9 V	35,5 V	

Power supply cord should not be near low voltage input signal leads. Contactors, large electrical motors and other

power elements should not be operated in the vicinity of the instrument. Input signal leads (measured value) should be separated from all power devices. Our instruments are extensively tested

(OMLINK)

POWER

INPUT A GND EXT. 1

and they comply with relevant standrads for use in industrial environment, however, adhering to the above mentioned measures is stronlgy advised.

#### In executions without galvanic isolated power supply please beware of ground loops!

Terminals no. 2 and 5 are galvanic conneted.

## 

MEASORING INFOT	
Туре	upon contact, TTL, NPN/PNP
Measurement	1x counter/frequency UP or DOWN 1x counter/frequency UP/DOWN 1x counter/frequency for IRC encoders 1x timer/clock - measuring range is selectable
Input frequency	0,150 kHz (Mode SINGLE) 0,120 kHz (Mode UP/DW) 0,120 kHz (Mode UP-DW) 0,120 kHz (Mode QUADR frequency) 0,110 kHz (Mode QUADR counter)
Input levels	9,7 - 14,4 - 19,2 - 23,9 - 28,7 - 33,5 - 38,3 V

### INSTRUMENT'S ACCURACY

TK	50 ppm/°C
Accuracy	±0,01% of the range + 1 digit (frequency)
Time base	0,5/1/5/10 s
Multiplication constant	±0,0019999
Division constant	±0,0019999
Filtration constant	enables the user to select maximum valid frequency, which is processed (OFF/51000 Hz)
Data back-up	stores the measured value after the device has been switched off (EEPROM)
Digital filtres	exponencialn filter, rounding up/down, 1/frequncy, measuring only completed revolutions (division constant)
Functions	Hold - "freazing the measured value" Lock - blocking the control buttons Tare Summation - adding values after each working shift is completed (upon contact)
External inputs	1, with the possibility of assigning various functions in the instrument's menu
OM Link	Company communication interface for operating, setting and updating of instruments
Watch-dog	reset after 500 ms
Calibration	at 25°C and 40% r.h.

## **TECHNICAL DATA**

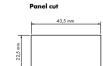
Display	9999, red or green 7-segment LED, digit height 9,1mm
Projection	-9999999
Decimal point	setting - in menu
Brightness	0 %, 25 %, 50 %, 75 %, 100 % (selectable in the menu) or automatically at three steps Auto. H, Auto. M and Auto. L
OWER SUPPLY	
	1030 VDC/24 VAC, ±10 %, 0,21,5 VA
	1030 VDC/24 VAC, ±10 %, 0,21,5 VA, isolated
IECHANICAL PROPE	RTIES NorvI GFN2 SE1, incombustible UL 94 V-I
Materiai Dimensions	Noryi G-N2 SEI, incompustible UL 94 V-I
Panel cut out	43,5 x 22,5 mm
Panel cut out	
NVIROMENTAL	43,5 x 22,5 mm
Panel cut out NVIROMENTAL Connection	43,5 x 22,5 mm terminal board, section < 1,5 mm <sup>2</sup>
Panel cut out NVIROMENTAL Connection Stabilization period	43,5 x 22,5 mm terminal board, section < 1,5 mm <sup>2</sup> 15 minutes after switch on
Panel cut out  NVIROMENTAL  Connection Stabilization period  Working temperature	43,5 x 22,5 mm terminal board, section < 1,5 mm <sup>2</sup> 15 minutes after switch on -20°60°C
Panel cut out <b>NVIROMENTAL</b> Connection Stabilization period Working temperature Storage temperature	43,5 x 22,5mm terminal board, section < 1,5 mm <sup>2</sup> 15 minutes after switch on -20°80°C -20°86°C
Panel cut out <b>NVIROMENTAL</b> Connection Stabilization period Working temperature Storage temperature Cover	43,5 x 22,5mm terminal board, section < 1,5 mm <sup>2</sup> 15 minutes after switch on -20°60°C -20°85°C IP42 (front panel only)
Panel cut out  NVIROMENTAL  Connection Stabilization period  Working temperature Storage temperature Cover Construction	43,5 x 22,5 mm terminal board, section < 1,5 mm <sup>2</sup> 15 minutes after switch on -20°80°C -20°86°C IP42 (front panel only) security calss I
Panel cut out  NVIROMENTAL  Connection Stabilization period Working temperature Storage temperature Cover Cover Construction E. safety	43,5 x 22,5 mm terminal board, section < 1,5 mm <sup>2</sup> 15 minutes after switch on -20°80°C -20°85°C IP42 (front panel only) security calss I EN 610101, A2

## MOUNTING AND DIMENSIONS

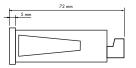


#### Front view





#### Side view











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