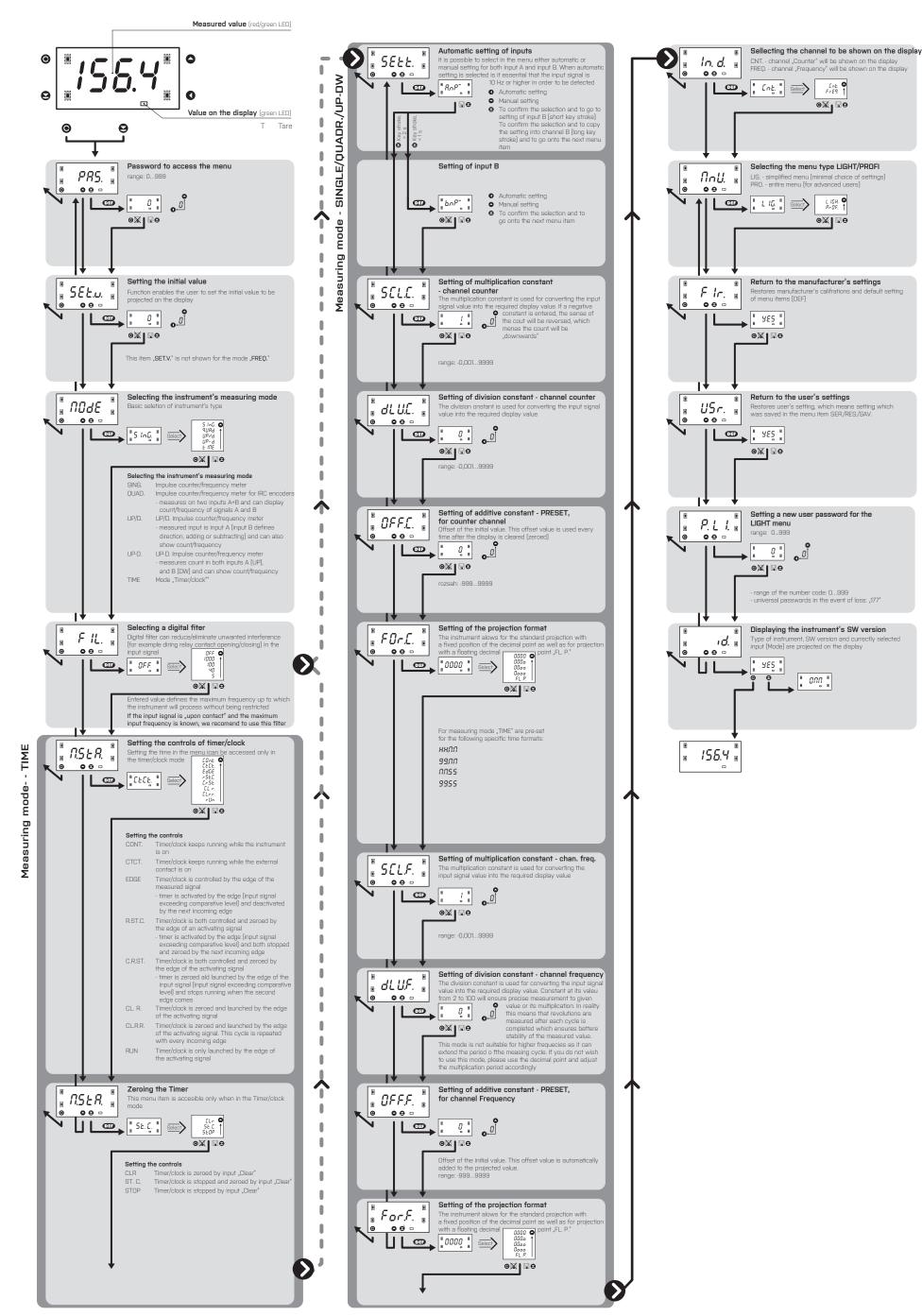
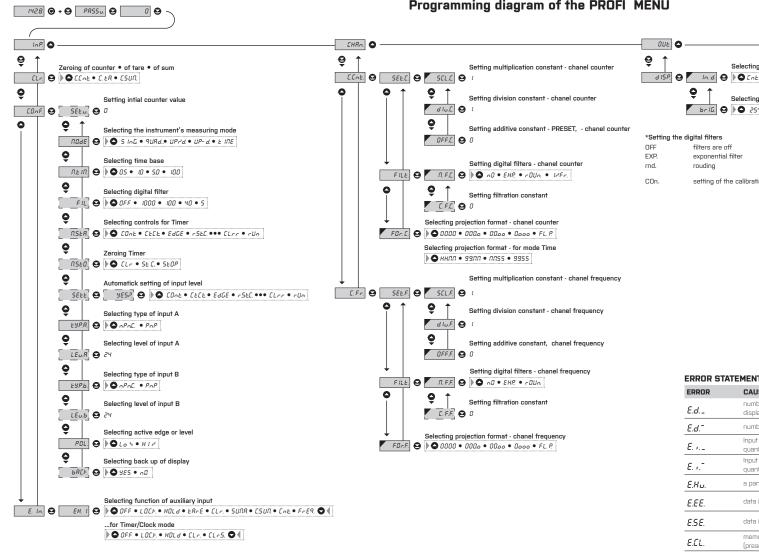
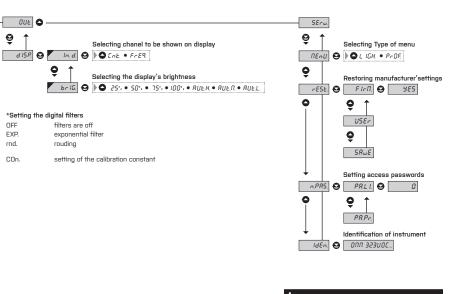
Programming diagram of the LIGHT MENU





Programming diagram of the PROFI MENU





ERRUR STATEMENTS		
ERROR	CAUSE	ELIMINATION
E.d	number is too small (large negative) to be displayed	change DP setting, channel constant
E.d. ⁻	number is too large to be displayed	change DP setting, channel constant
E. 1	Input quantity is smaller than permitted input quantity range	change input signal value or input (range) setting
E. 1.	Input quantity is larger than permitted input quantity range	change input signal value or input (range) setting
E.Hu.	a part of the instrument does not work properly	send the instrument for repair
E.E E.	data in EEPROM corrupted	perform restoration of manufacture setting, upon repeated error statement send instrument for repair
E.S E.	data in EEPROM outside the range	perform restoration of manufacture setting, upon repeated error statement send instrument for repair
E.CL.	memory was empty (presetting carried out)	upon repeated error statement send instrument for repair, possible failure in calibration
E. 10.	disconnected input circuit	check wiring

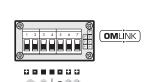
CONNECTING AND CONTROLING **OF INSTRUMENT**



TECHNICAL DATA

Upon delay exceeding 60 s the programming modis automatically discontinued and the instrument itself restores the measuring mode





CONNECTIONS		
	DESCRIPTION	CONNECTION
INPUT A	input signal < 60 V	GND + Input A
INPLIT B	innut sinnal < 60 V	GND + Input B/Zeroing

EXTERNAL INPUT

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

COMPARATOR LEVEL TABLE (V)

TYPE	MAXIMUM VOLTAGE (LEVEL A, B)	MAXIMUM COMPARATION LEVELS	
OF INPUT		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,□ ∨	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 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

MEASURING INPUT

Туре	upon contact, TTL, NPN/PNP
Measurement	Ix counter/frequency UP or DOWN Ix counter/frequency UP/DOWN Ix counter/frequency for IRC encoders Ix timer/clock - measuring range is selectable
Input frequency	0.150 kHz (Made SINGLE) 0.120 kHz (Made UP/DW) 0.120 kHz (Made UP-DW) 0.120 kHz (Made OUADR frequency) 0.110 kHz (Made QUADR counter)
Input levels	9,7 - 14,4 - 19,2 - 23,9 - 28,7 - 33,5 - 38,3 V

INSTRUMENT'S ACCURACY

1001.6	I
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 - "freezing the measured value" Look - 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.

PROJECTION

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

POWER SUPPLY

	1030 VDC/24 VAC, ±10 %, 0,21,5 VA	
	1030 VDC/24 VAC, ±10 %, 0,21,5 VA, isolated	
MECHANICAL PROPERTIES		

Material	NULYI GENZ SEI, ITICUITIDUSTIDIE DE 94 V-I
Dimensions	48 x 24 x 72 mm
Panel cut out	43,5 x 22,5 mm
ENVIROMENTAL	
Connection	terminal board, section < 1,5 mm ²
Stabilization period	15 minutes after switch on
Working temperature	-20°60°C
Storage temperature	-20°85°C

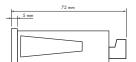
IP42 (front panel only) 2,5 KVAC after 1 min between supply and input for pollution degree II, measuring cat. III. power supply > 300 V [P] Dielectric strength

MOUNTING AND DIMENSIONS





















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