GENERAL CHARACTERISTICS

The Universal counter VLC.810.MC combines, in a single unit, all functions of the signal processor VLC.602.M with an advanced section of counting, specially designed for the sensors with frequency output.

The instrument can perform counts and measurements of the flow rates at the same time.

The standard input signals of this universal processor are 0-5V, 0-10V, 0-20mA, 4-20mA, Potentiometric 500 to $20K\Omega$, pulses and frequency for batch counts.

And it is possible to represent on the display two simultaneous indications, both digital and analog (bar-graph) expressed in the most common engineering units.

The measured value can be transmitted to remote data acquisition systems and it is also possible the linearization of signals from sensors with a non-linear transfer function. All programming parameters can be set via the front keyboard and are stored in a nonvolatile memory to avoid the loss of data.





- LCD display with back light.
- Programmable measuring units and range.
- Frequency and pulses input.
- Input/output signals: (0)4 \div 20mA , 0 \div 5V, 0 \div 10V
- Up to 6 alarm thresholds with LED indication

GENERAL TECHNICAL DATA Tab.1

Description	Technical data		Code
Dower cumply	230 / 24 Vac (± 10%) / 50/60 Hz		230/24VAC
Power supply	24 Vdc	On request	24VDC
Power consumption	10 VA		-
Housing	Epoxi painted metal plate – shielded against electromagnetic fields		-
Temperature range	-20°C / +50°C		-
Degree of protection	IP40		-
Mounting	Front panel		-
Weight	650g		-

BATCH COUNTER MODE Tab.2

Description					Technic	al data					Code
Signal input	Frequency	0,1 – 30)KHz	Pul	ses 0 - 2.00	0 Pulses	/ sec.				-
Signal output	0÷5V	0÷	÷10V	0÷2	20mA	4÷20m/	4				-
Power supply to sensors	5 / 24 Vdc	stabilize	ed - 50mA								-
LCD display	Flow / Eve	ents	Flow / Bate	ch	Events / Ba	tch	Flow	Batch		Events	-
LCD display	Digital -	Up to 2	engineering	units							-
Measuring units	ml	cl	1	m^3	cc/min	l/min	l/h	m ³ /h	n°	events	-
Maximum count	Batch cou	nter	0 - 999.99	9							-
Maximum Count	Events co	unter	0 - 999.99	9							-
Divider	1 – 99.999	9									-
Counting mode	Programm	nable up	or down								-
Standard digital output	2 x SPDT	230Vac	6A 1	for b	atch counter	- 1 for	events co	unter			-
Alarm rolave	2A SPDT	relay 230	OVac 6A A	larm	threshold fo	r flow rat	e measur	ements			2A
Alarm relays	4A SPDT	relay 230	OVac 6A						On	request	4A
Functions indicator	Red LED										-
Alarm adjustment	Adjustable	e within e	entire measu	ing ra	ange						-
Alarm hysteresis	Independe	ents and	adjustable w	ithin e	entire measu	ıring ranç	ge				-
Reset	Auto or ma	anual	li	ndepe	endents for b	atch and	l events c	ounter			-
Reset delay (Auto mode)	0,1 - 99,9	ec.	Е	atch	counter ≥ e	vents co	unter				-
Counter commands	From fron	t keyboa	rd and / or fro	om re	ar terminal b	oard					-
External commands	Start-Stop	Reset	N	1onos	stable / bista	ble					-
Safety	Keyboard	lock	5	afe-s	top function						-

We reserve the right to change the data without notice

BE#192/1-07/2010













UNIVERSAL VLC.810.MC Measurement and counting

UNIVERSAL PROCESSOR MODE

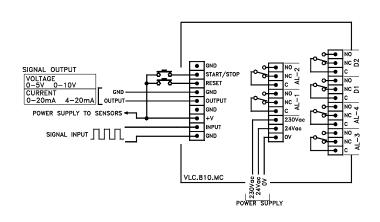
Tab.3

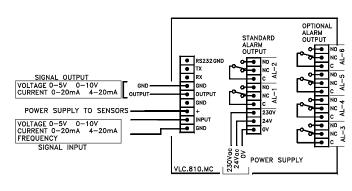
Description					Technic	cal data					Code
Signal input	Potention	metric (50	0Ω ÷20ΚΩ	a), 0 ÷ 5°	V, 0 ÷10	V, (0)4	÷ 20mA,	Frequenc	y (0,1 ÷30	KHz)	-
Signal output	0÷5V, 0÷	÷10V, 0÷	20mA, 4÷2	20mA							-
Power supply to sensors	5 / 24 Vd	c stabilize	ed - 50m <i>P</i>	4							-
LCD display	Digital -	Analog	(bar-graph)	0 ÷ 100°	%						-
Mocouring units	1	cm ³	m^3	%	Pa	Kpa	mmH_2O	mbar	bar	-	
Measuring units	°C	°F	cc/min	l/min	l/h	m³/h	m/sec	mm	cm	m	-
	N. 2 SPI	OT relay	230Vac 6/	4							2A
Alarm relays	N. 4 SPI	OT relay	230Vac 6/	4					On re	quest	4A
	N. 6 SPI	OT relay	230Vac 6/	4					On re	quest	6A
Alarm indication	Red LED										-
Alarm adjustment	Adjustab	le within e	entire meas	suring ran	ge						-
Alarm hysteresis	Independ	dents and	adjustable	within en	tire meası	ıring rang	е				-
Communication output	RS-232-0	C ANSI s	tandard co	mmunica	tion protoc	ol			On re	quest	RS-232

WIRING

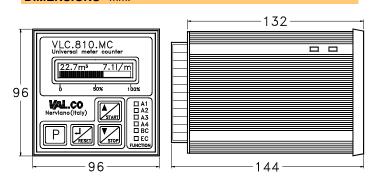
BATCH COUNTER MODE

UNIVERSAL PROCESSOR MODE





DIMENSIONS mm.



NO	MENC	'I ATI	IDE

VLC.810. MC	2A	230/24CA	RS232
•		ZOU/Z-TOA	NOZUZ
	_		
	•		
		•	
			•

We reserve the right to change the data without notice

BE#192/1-07/2010



