CHAUVIN ARNOUX ENERGY

PROGRAMMABLE DIGITAL
PANEL METERS

Wide choice of switchboard digital panel meters

- Easy implementation
- Programming without dedicated software
- Numerous possible option boards
- Format 24x48 mm /48 x 96 mm

Measure up

Our range of panel meters offers a wide choice of electrical and physical measurement panels, such as:
DC-AC voltage, Process, Temperature, Potentiometer, Load Cells, Frequency Meter, Tachometer, Meter, Chronometer.

For more than 30 years, the Chauvin Arnoux Group has been at your side to offer you the panel meter which best matches your requirements. Today, they are divided into **3 ranges: µDIGI1, µDIGI2 and CA 2150**. They meet a wide variety of needs, whether in terms of mounting, screen dimensions or the numerous options available, such as alarm, analog or communication output boards.
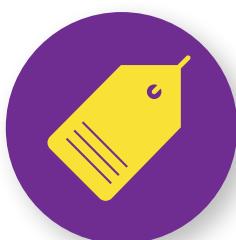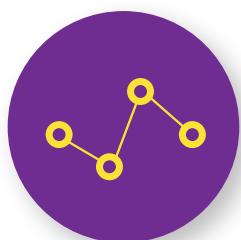
Digital panel meters with **IP65** ingress protection can be used in demanding environments. Thanks to their rugged design, our products come with a 3-year warranty.

Their electrical connections use plug-in connectors with spring technology for quick implementation (the insertion tools are supplied with the product). The movable connection terminals simplify switchboard mounting for new or retrofit projects.

All our products are delivered with sets of labels to indicate the unit measured.

Parameterization is significantly simplified by an intuitive interface and is performed directly on the products.

On the bottom for the µDigi1

Buttons seen from above

UP   SHIFT   ENTER

On the front panel for the µDigi2 and CA2150

OFFSET   MAX/MIN   PRG/RUN

ECONOMICAL RANGE

The simple, high-performance **µDIGI1** Series, with **4 red digits 10 mm high.**

µDIGI 1-LP

Process
4-20 mA

µDIGI 1-LP

Process
± 10, 20, 200 V DC mA,
± 100 mV DC,
± 20 mA DC

µDIGI 1-E

DC voltage
600 V, 100 V
DC current
5 A, 1 A,
AC voltage
600 V, 100 V
AC current
5 A, 1 A

ALL-IN-ONE RANGE

The **µDIGI2** Series is ideal for simple, economical display and monitoring requirements with **4 red digits 14 mm high.**

µDIGI 2-E

DC voltage
600 V, 200 V, 20 V
DC current
5 A, 1 A, 100 mV, 60 mV
AC voltage
600 V, 200 V, 20 V
AC current
5 A, 1 A, 100 mV, 60 mV

µDIGI 2-P

Process
± 20 mA, 10 V, 200 V, dynamo-tachometric
Temperature
J, K, T and N thermocouples, Pt100, Pt1000
Potentiometer
100 Ω à 100 kΩ
Resistance
Ranges 1 kΩ, 10 kΩ et 50 kΩ

MULTIFUNCTION RANGE

The CA 2150 Series is a multifunction range equipped with a multicolored programmable display with **5 red, green and amber digits 14 mm high.**
This series benefits from modular outputs offering the possibility of transmitting information in digital, analog or alarm form via the relay output.

CA 2150-E

DC voltage
600 V, 200 V, 20 V, 2 V
DC current
5 A, 1 A, 100 mV, 60 mV, 50 mV, 200 mA
AC voltage
600 V, 200 V, 20 V, 2 V
AC current
5 A, 1 A, 100 mV, 60 mV, 50 mV, 200 mA

CA 2150-M

Process
± 20 mA, 10 V, 200 V
Temperature
J, K, T and N thermocouples, Pt100
Potentiometer
200 Ω to 100 kΩ
Load cells
± 15 mV, ± 30 mV, ± 150 mV

CA 2150-D

Frequency meter

Tachometer

Meter

Chronometer
10 to 300 Vac, magnetic sensor, Namur, NPN/PNP, TTL/24Vdc encoder, dry contact

Model	µDIGI1		µDIGI2	CA2150
Format	48x24x40mm		96x48x60mm	96x48x60mm
Dígits	-1999/9999		-1999/9999	±39999 / 99999 (CA2150-D)
Resolution	±15 bits		±15 bits	±15 bits
Readings	62/s		20/s	20/s

Category	Measurement	µDIGI1		µDIGI2	CA2150
Load cell	mV / V				CA2150 M
Process	± 10 VDC	µDIGI1 LP	µDIGI1 P	µDIGI2 P	CA2150 M
	± 20 mA				
	Potentiometer				
Temperatura	Pt1000			µDIGI2 P	CA2150 M
	Pt100				
	J thermocouple				
	T thermocouple				
	N thermocouple				
	Thermocouple N				
Electrical variables	Ohmmeter				
	DC ammeter	µDIGI1 P	µDIGI1 E	µDIGI2 E	CA2150 E
	DC voltmeter				
	AC ammeter				
	AC voltmeter				
	Frequency meter				
Pulse input	Tachometer				CA2150 D
	Totalizer				
	Meter				
	Chronometer				
Power supply	85-265VAC/100-300VDC		µDIGI1 P/E		CA2150 M/E/D
	21-53VAC/10-70VDC		µDIGI1 P/E		CA2150 M/E/D
	11-265VDC/20-265VAC			µDIGI2 P/E	
	Self-powered	µDIGI1 LP			
Output options	2 x 8A CO relays			µDIGI2 P/E	CA2150 M/E/D
	4 x 5A on-off relays				
	Analog 4-20mA				
	Analog 0-10V				
	RS232C				
	RS485				

To order

		References							
		µDIGI1			µDIGI2		CA2150		
		µDIGI1 LP	µDIGI1 P	µDIGI1 E	µDIGI2 E	µDIGI2 P	CA2150 E	CA2150 M	CA2150 D
Power supply	Self-powered (active loop)	P01 330 000							
	85 - 265 Vac & 100 - 300 Vdc		P01330031	P01330011			P01308005	P01308001	P01308003
	22 - 53 Vac & 10,5 - 70 Vdc		P01330032	P01330012			P01308006	P01308002	P01308004
	20/265 Vac - 11/265 Vdc				P01330081	P01330080			
Option boards*	CA 2150/µDIGI2 AL board, 2 relays						P01319301		
	CA 2150 AL board, 4 relays							P01319303	
	CA 2150 COM board, RS232							P01319306	
	CA 2150 COM board, RS485							P01319307	
	CA 2150 0 - 10 V output board							P01319310	
	CA 2150 4 - 20 mA output board							P01319311	

*Additional boards (complement or replacement)

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