



CL420

Clamp-on Process Meter

NEW



Actual size

**Measure 4 to 20mA
DC signals without
breaking the loop!**

Features:

- 0.2% Accuracy, 0.01mA Resolution
- Dual Display
- LED Torch Light, Backlight Display
- Analog Output Available



Bulletin CL420-EN

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CL420 Clamp-on Process Meter

● Product Model Code

Name	Model
Clamp-on Process Meter	CL420

● Standard Accessories (supplied)

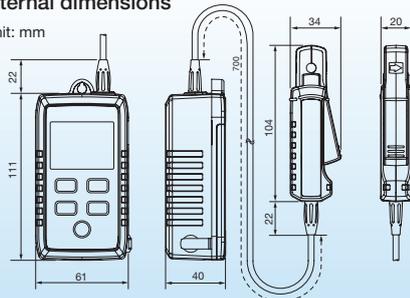
Name	Model
Soft case	93045

● Optional Accessories (sold separately)

Name	Model
Output cable (banana plug)	98076
Output cable (for screw terminal)	98077

External dimensions

unit: mm



Examples of Analog Output Application

Example of 98076 output cable connecting to TY530



Example of 98077 output cable for screw terminal connecting to XL series data logger



Specifications

Model	CL420	
Diameter of measurable conductor	6mm diameter max.	
DC Current	Range and resolution [Measuring range]	Measuring accuracy ^{*1}
	20.00 mA [0.00 to ±21.49mA] 100.0 mA [±21.0 to ±126.0mA]	±(0.2%rdg+5dgt) ² ±(1.0%rdg+5dgt)
DC Voltage OUTPUT	20.00 mA [0.0 to ±214.9mV] 100.0 mA [±210 to ±1260mV]	(DCA Accuracy)+(±0.5mV) (DCA Accuracy)+(±3mV)
Display	4-digit LCD Numeric display	
Response time	Approx. 1.5 seconds (2.5 seconds when across the range)	
Range switching	Auto range	
Operating temperature and humidity	-10°C to +50°C 80% RH or less (no condensation)	
Safety Standards	EN61010-1, EN61010-2-030, EN61010-2-032	
Withstanding voltage	2.21kV AC for 5 seconds (between the core and the case)	
Power supply	Four AA-size alkaline batteries (1.5V LR6)	
Battery life	Approx. 60hrs (continuous) backlight off and LED light off	
Other functions	Data hold, Zero adjust function, Auto power off, LED Torch light, Back light display, Illuminant panel	
External dimensions and weight	61 (W) × 111 (H) × 40 (D) mm Approx. 290g (including batteries)	
Standard accessories	User's Manual, Batteries, Soft case (93045)	

*1 At 23°C ±5°C, 45% to 75%RH

Measurement accuracy: ±(% of reading + digits)

Terms of accuracy: Open and close the clamp sensor after power on and perform zero adjustment.

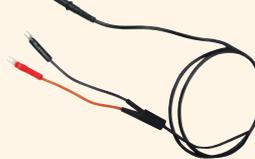
*2 The 20mA range accuracy assurance is the average of 5 times measuring.

Accessories (sold separately)

Accessories (supplied)



Output cable
Model: 98076



Output cable (for screw terminal)
Model: 98077



Soft case for CL420
Model: 93045

Related Products



Multi-functional Calibrator
CA150



Multi-functional Calibrator
CA71



Voltage/Current Calibrator
CA11E



Temperature Calibrator
CA12E



Process Multimeter
CA450

CAUTION



• Read the product manual before using this product to ensure safe use.

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SEE
CLEARLY

KNOW
IN ADVANCE

ACT
WITH AGILITY

VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.

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