



# CL420

## Clamp-on Process Meter

**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



Actual size



Bulletin CL420-EN

[www.yokogawa.com/yml/](http://www.yokogawa.com/yml/)

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# CL420 Clamp-on Process Meter

## ● Product Model Code

Name	Model
Clamp-on Process Meter	CL420

## ● Standard Accessories (supplied)

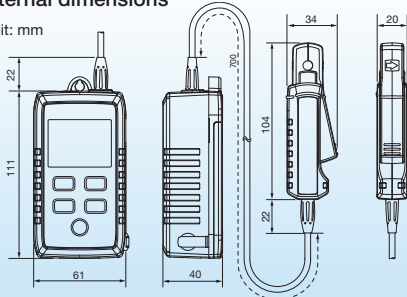
Name	Model
Soft case	93045

## ● Optional Accessories (sold separately)

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

### External dimensions

unit: mm



## Specifications

Model	CL420	
Diameter of measurable conductor	6mm diameter max.	
DC Current	Range and resolution [Range]	Accuracy <sup>*1</sup>
	20 mA: 0.00 to ±21.49mA 100 mA: ±21.0 to ±126.0mA	±(0.2%rdg+5dgt) <sup>2</sup> ±(1.0%rdg+5dgt)
DC Voltage OUTPUT [10mV/mA]	20 mA: 0.0 to ±214.9mV 100 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.

## Examples of Analog Output Application

Example of 98076 output cable connecting to TY530



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

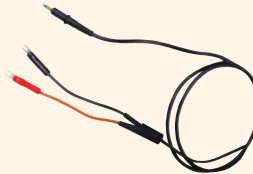


## Accessories (sold separately)

## Accessories (supplied)



Output cable  
Model: 98076



Output cable (for screw terminal)  
Model: 98077



Soft case for CL420  
Model: 93045

## Related Products



Pressure Calibrator  
CA700



Multi-functional Calibrator  
CA150



Multi-functional Calibrator  
CA71



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

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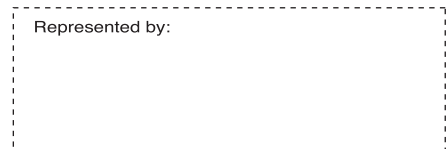
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