

DCM310 and DCM320 Digital clamp meter



- Current only and multimeter models
- Measures up to 400 A a.c. with low current ranges for improved resolution
- 600 V ac/dc (DCM320)
- Max Hold (DCM310)
- 20 M Ω Resistance (DCM320)
- IEC61010 CAT III 600 V

DESCRIPTION

The DCM310 and DCM320 are ideal clamp meters for use during the installation, maintenance and checking of electrical systems and equipment.

Both meters will measure AC current (50 - 60 Hz) up to 400 A, with a Data-hold feature to freeze the displayed value for use in confined situations where the display may be difficult to read. The DCM310 also has a max-hold feature to automatically store and display the maximum value measured over a period of time.

The DCM320 has the benefit of measurement ranges for a.c. and d.c. voltages up to 600 V, and resistance up to 20 M Ω , via the terminals and supplied test leads. It also has a continuity buzzer that operates up to 20 Ω .

Both meters are safety rated to IEC 61010 CAT III 600 V, so offering high levels of protection to the operator. Carrying cases are included, and even without the case, the instruments are rated to withstand a 1.2 m drop onto a hard surface without damage.

The compact clamp jaw enables cables to be measured as large as 27 mm diameter, so covering the majority of applications within the electrical system installation industry.

Ideal for use by anyone working on basic electrical systems or equipment, these instruments are also suitable for the majority of applications encountered by the electrical contractor.

ADDITIONAL FEATURES

- Data Hold
- Small pocket-size design
- Exceptional battery lifetime
- Supplied with carry case

DCM310 and DCM320 Digital clamp meter

SPECIFICATION

All accuracies specified at 23°C ±5° 85% RH

DCM310			DCM320	
AC current (50 - 60 Hz)	Range 0-19.99 A 20.0-199.9 A 200-400 A	Accuracy ±3% ±0.05 A ±2% ±0.5 A ±2% ±0.5 A	Range 0-40.0 A 40.0-200.0 A 201-400 A	Accuracy ±1.9% ±10 digits ±1.9% ±5 digits ±1.9% ±5 digits
Position error:		±1.5% of reading		
DC and AC volts		Ranges 0 - 200.0 V	200.0 - 600.0 V	
Accuracy		DC ±1.0% ±2 dgts	AC ±1.5% ±5 dgts (50-500 Hz)	
Continuity buzzer		On: <20 Ω Off: >50 Ω Response time: <50 ms		
Resistance		Range 200.0 Ω 2.000 KΩ 20.00 KΩ 200.0 KΩ 2.000 MΩ 20.00 MΩ	Accuracy ±1% ±5% digits ±0.7% ±2 digits ±0.7% ±2 digits ±0.7% ±2 digits ±1.0% ±2 digits ±1.9% ±5 digits	
Sample rate:	2.5 times per second	1.5 times per second		
Overrange display		"OL"		
Power requirements	1 x PP3 9 V alkaline battery	2 x AAA 1.5 A alkaline battery		
Battery life: Auto off:	580 hours	200 hours 10 mins. after power off		
Operating temperature	0 - 30°C 30 - 40°C 40 - 50°C	80% RH 75% RH 45% RH		

Applies to both clampmeters

Safety rating: IEC/EN61010-1 CAT III 600 V

Temperature coefficient:

0.2 x (specified accuracy) / °C (<18 °C >28 °C)

Maximum conductor size:

27 mm diameter

LCD: 2000 digit large scale readout

Storage temperature:

-20 °C - +60 °C (80% RH) (batteries removed)

Operating altitude: 2000 m

EMC: IEC/EN 61326-1

Dimensions:

DCM310 - 56 mm (W) x 180 mm (H) x 32 mm (D)

DCM320 - 56 mm (W) x 188 mm (H) x 28 mm (D)

Weight: DCM310 - 250 g including battery

DCM320 - 225 g including batteries

Warranty: 1 year

ORDERING INFORMATION

Description

Part number

DCM310-EN Digital clamp meter, 400 A a.c. 1000-303

DCM320-EN Digital clamp meter, 600 V a.c. and d.c.; 20 MΩ 1000-304

Included accessories

Battery

Pouch

User guide

Test leads (DCM320 only)

Description

Part number

Optional accessories

Replacement test leads

Red/black test leads with croc clips 1002-001B

Red/black fused test leads (500 mA) with croc clips 1002-015B

SALES OFFICE

Megger Limited
Archcliffe Road Dover
CT17 9EN England
T +44 (0) 1304 502101
E UKsales@megger.com

DCM310_DCM320_DS_en_V06

www.megger.com
ISO 9001
The word 'Megger' is a registered trademark

Megger[®]

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Clamp Multimeters & Accessories](#) category:

Click to view products by [Megger](#) manufacturer:

Other Similar products are found below :

[I800](#) [BK313C](#) [BM035](#) [BM198PV](#) [BK312C](#) [BM031](#) [BM037](#) [BM078](#) [BM088](#) [P 4250](#) [P 4350](#) [WMGBCMP401](#) [KEW105816](#)
[WMGBCMP200](#) [WMGBCMP2000](#) [WMGBCMP3000](#) [WMGBCMP400](#) [FLUKE 377 FC](#) [FLUKE 378 FC](#) [FLUKE 393 FC](#) [MW3035](#) [NC11-](#)
[200M1](#) [NC12-200M1](#) [NC14-100M1](#) [P 1610](#) [P 1615](#) [P 1625](#) [P 1640](#) [P 1650](#) [P 1655](#) [P 1660](#) [P 1665](#) [P 1700](#) [UT202F](#) [UT202R](#) [UT219E](#)
[UT281A](#) [UT281C](#) [DCM140](#) [1000-304](#) [TESTO 770-3 0590 7703](#) [AX-3550](#) [AX-M266C](#) [BM079](#) [BM089](#) [BM197](#) [UT204](#) [KEW2210R](#)
[FLUKE 80I-110S](#) [FLUKE A3002FC](#)