

## DCM 330 Fork Multimeter



- 200.0 A ac Open Jaw current measurement
- 0.1 V to 1000 V auto-ranging ac and dc voltage measurement
- 0.1  $\Omega$  to 20.00 M $\Omega$  resistance range
- Continuity buzzer and diode check
- Non-contact detection of AC voltage
- CAT III 1000V and CAT IV 600 V

### DESCRIPTION

The Megger DCM330 Fork Multimeter is a convenient, compact instrument designed to measure ac current up to 200 A, and perform the basic functions of a basic multimeter.

With ac and dc voltage measurements up to 1000 V and resistance measurements up to 20 M $\Omega$ , a non-contact voltage detection facility and a continuity buzzer with diode check, the Megger DCM330 is a truly versatile instrument. All of these features combined into a single compact instrument eliminate the need for separate multimeter and clampmeter.

The large central range knob enables ambidextrous singlehanded use, and the separate voltage/resistance test leads can be disconnected when not in use.

The open-jaw design of the clampmeter enable simple and fast measurements to be made on single conductors up to 16 mm diameter. With no moving clamp parts, the Megger DCM330 is not susceptible to dirt, grit or moisture around the cable, so is equally ideal for use in dirty trenches or trunking; or clean laboratory conditions. It provides average responding RMS values, and with the conductor(s) positioned centrally and squarely within the jaws, achieves readings of better than 3% accuracy.

The Megger DCM330 is auto-ranging on all ranges. Current measurement and the non-contact voltage sensor do not need the test leads; all other functions will require their use.

The voltage detection function can identify the presence of live AC voltages from 50 V to 1000 V at 50 to 500 Hz.

It is operational on any range including OFF. Voltage is capacitively detected, signalled by a tone sounding and the illumination of a red LED situated below the clamp head.

The Megger DCM330 is powered by 2 x AAA cells providing 250 hours of operation, and has an auto-off feature that activates after approximately 10 minutes.

The tough body provides easy and comfortable grip, providing durability while stored in a tool box or pocket. The DCM330 is designed to withstand a 1.22m (4 feet) drop without damage.

The display is a large 3 1/2 digit LCD. In difficult or awkward locations, the display can be frozen with the "HOLD" function, removed from the cable under test and read independently.

### APPLICATION

The DCM330 is suitable for use anywhere where there is a requirement to measure ac current in single unshielded conductors less than 16mm diameter, or ac/dc voltages up to 1000 V, or resistances up to 20 M $\Omega$ .

Typical applications include domestic and industrial wiring installation fault-finding, basic load analysis, equipment commissioning and maintenance, machinery installations, etc.

Note: The non-contact Voltfinder function is intended to identify live cables within the jaws, and is not suitable for use on shielded conductors such as armoured cable or those within or behind metallic or conductive panels, in metal conduit, etc.

### FEATURES AND BENEFITS

- Compact pocket sized design
- Auto power-off
- Supplied with detachable test leads and carrycase

## SPECIFICATIONS

<b>Note</b>	(accuracies specified at 23 °C)														
<b>AC current</b>	<table> <thead> <tr> <th>Frequency</th> <th>Range</th> <th>Accuracy</th> </tr> </thead> <tbody> <tr> <td>50 - 60 Hz</td> <td>0-200.0 A</td> <td>±3% ±3 digits</td> </tr> </tbody> </table> <p>Average sensing, RMS indicating Overload protection: 400 A rms</p>	Frequency	Range	Accuracy	50 - 60 Hz	0-200.0 A	±3% ±3 digits								
Frequency	Range	Accuracy													
50 - 60 Hz	0-200.0 A	±3% ±3 digits													
<b>AC/DC volts</b>	<table> <thead> <tr> <th>Range</th> <th>DC</th> <th>AC</th> </tr> </thead> <tbody> <tr> <td>200.0 V</td> <td>±1% ±2 digits</td> <td>±1.5% ±5 digits</td> </tr> <tr> <td>1000 V</td> <td>±1% ±2 digit</td> <td>50 Hz - 500 Hz</td> </tr> </tbody> </table> <p>Input impedance: 2 MΩ (&lt;100 pF) Overvoltage protection: 1000 V</p>	Range	DC	AC	200.0 V	±1% ±2 digits	±1.5% ±5 digits	1000 V	±1% ±2 digit	50 Hz - 500 Hz					
Range	DC	AC													
200.0 V	±1% ±2 digits	±1.5% ±5 digits													
1000 V	±1% ±2 digit	50 Hz - 500 Hz													
<b>Winding resistance</b>	<table> <thead> <tr> <th>Range</th> <th>Accuracy</th> </tr> </thead> <tbody> <tr> <td>200.0 Ω</td> <td>±1% ±5 digits</td> </tr> <tr> <td>2.000 kΩ</td> <td>±1% ±2 digits</td> </tr> <tr> <td>20.00 kΩ</td> <td>±1% ±2 digits</td> </tr> <tr> <td>200.0 kΩ</td> <td>±1% ±2 digits</td> </tr> <tr> <td>2.000 MΩ</td> <td>±1% ±2 digits</td> </tr> <tr> <td>20.00 MΩ</td> <td>±1.9% ±5 digits</td> </tr> </tbody> </table> <p>Overload protection: 600 V rms</p>	Range	Accuracy	200.0 Ω	±1% ±5 digits	2.000 kΩ	±1% ±2 digits	20.00 kΩ	±1% ±2 digits	200.0 kΩ	±1% ±2 digits	2.000 MΩ	±1% ±2 digits	20.00 MΩ	±1.9% ±5 digits
Range	Accuracy														
200.0 Ω	±1% ±5 digits														
2.000 kΩ	±1% ±2 digits														
20.00 kΩ	±1% ±2 digits														
200.0 kΩ	±1% ±2 digits														
2.000 MΩ	±1% ±2 digits														
20.00 MΩ	±1.9% ±5 digits														
<b>Diode check</b>	<p>1 mV: ±1.5% ±0.05 V Overvoltage protection: 600 V rms</p>														
<b>Continuity buzzer</b>	<p>Buzzer operates: &lt;50 Ω Turns off: &gt;250 Ω Response time: 0.25 sec - 1 sec</p>														
<b>Display</b>	<p>3 ½ digit large LCD 2000 count Sample rate: 1.5/sec Overrange: "OL"</p>														
<b>Auto power down</b>	10 minutes after power on														
<b>Battery</b>	R03 UM4 AAA 1.5 V x 2 (not suitable for rechargeable cells)														
<b>Battery life</b>	Life: 250 hours (alkaline cells)														
<b>Calibration accuracy</b>	12 month recommended														
<b>Maximum altitude</b>	2000 m														
<b>Operating temperature range and humidity</b>	0 °C - 30 °C (>80% RH) 30 °C - 40 °C (>75% RH) 40 °C - 50 °C (>45% RH)														
<b>Storage temperature range and humidity</b>	-20 °C - +60 °C (0 - 80% RH) (batteries not fitted)														
<b>Safety</b>	IEC61010-1 1000 V CAT III 600 V CAT IV														
<b>EMC</b>	EN 61326-1														
<b>Drop protection</b>	1.2 m drop onto hard floor														
<b>Dimensions</b>	68 mm (B) x 237 mm (H) x 42 mm (T)														
<b>Weight</b>	280 g (battery installed)														

## ORDERING INFORMATION

Description	Order Code
Fork Multimeter; 200A ac; 1000V dc	1000-219
<b>Included accessories</b>	
Batteries	
Pouch	
Test leads	
User guide	
<b>Optional accessories</b>	
<b>Replacement test leads</b>	
Replacement Red/Black Test lead set	1002-001B
Fused Red/Black test lead set	1002-015B

### SALES OFFICE

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

### DMC330\_DS\_en\_V03

www.megger.com  
ISO 9001

The word 'Megger' is a registered trademark

**Megger** <sup>R</sup>

# Diensten van EURO-INDEX

EURO-INDEX is fabrikant, importeur en distributeur van diverse A-merken op het gebied van test- en meetinstrumenten. Daarnaast leveren wij een groot aantal diensten om het gebruik van deze instrumenten in uw bedrijfsvoering te optimaliseren. Dit omvat uiteraard onderhoud, reparatie en kalibratie van de instrumenten, maar ook kennisdeling via de EURO-INDEX Academy en verhuur van instrumenten.

## Geautoriseerd Service Centrum

EURO-INDEX b.v. is van alle vertegenwoordigde merken een Geautoriseerd Service Centrum. Dit betekent dat uw instrumenten worden behandeld door technici die zijn opgeleid door de fabrikant en beschikken over de juiste gereedschappen en software. Er worden uitsluitend originele onderdelen toegepast en de garantie van uw instrument, evenals de certificering (ATEX, EN50379, etc.) blijven intact.

## Kalibratielaboratorium

Ons moderne service- en kalibratielaboratorium beschikt over een RvA accreditatie naar NEN-EN-ISO/IEC 17025. Deze accreditatie geldt voor grootheden, zoals gespecificeerd in de scope bij accreditatienummer K105.



Kijk voor een overzicht van al onze diensten op [euro-index.nl/diensten](http://euro-index.nl/diensten)



## Mobiele Service

Naast de vaste kalibratielaboratoria in Capelle aan den IJssel en Zaventem beschikken wij ook over een laboratorium op wielen met de naam "Mobiele Service". Dit biedt vertrouwde service en kwaliteit, bij u voor de deur!

## KWS®

KWS® is een uniek servicesysteem voor uw meetinstrumenten met periodiek onderhoud en kalibratie tegen vaste, lage kosten. Via een gratis webportal ([mijnkws.nl](http://mijnkws.nl)) heeft u altijd en overal beschikking over uw kalibratiecertificaten.

## Verhuur van meetinstrumenten

- Uitgebreid assortiment
- Nauwkeurigheid aantoonbaar door actueel kalibratiecertificaat
- Deskundig advies
- Complete levering inclusief accessoires

## EURO-INDEX Academy

- Trainingen (individueel en klassikaal)
- Cursussen en workshops
- Demonstratie- en instructievideo's
- Whitepapers



Servicebalie



Onderhoud, reparatie en kalibratie



Cursussen en workshops



Mobiele Service

Wijzigingen voorbehouden EURO-INDEX® NL 21004



NETHERLAND  
Rivium 2e straat 12  
2909 LG Capelle a/d IJssel  
T: 010 - 2 888 000  
F: 010 - 2 888 010  
[verkoop@euro-index.nl](mailto:verkoop@euro-index.nl)  
[www.euro-index.nl](http://www.euro-index.nl)



BELGIË  
Leuvensesteenweg 607  
1930 Zaventem  
T: +32 - (0)2 - 757 92 44  
F: +32 - (0)2 - 757 92 64  
[info@euro-index.be](mailto:info@euro-index.be)  
[www.euro-index.be](http://www.euro-index.be)