





















## ■ CMT-80

Automatic tester

## **Characteristics**

- Trouble-free, automatic measurement of current strength, voltage and resistance
- Compact design for measuring in tight spaces
- Low impedance rules out measurement of stray voltage or so called "ghost voltages"
- 400 A AC, 600 V AC/DC measurements
- Data Hold function for recording important measurement results
- Longer battery service life due to automatic shut-off

Technical Data	
Voltage measurement:	AC V:1.3-600.0 V; DC V: 1.8-600,0; -0.6 to -600.0 V
Current measurement:	AC A: 0,6-400,0
Resistance:	2000 $\Omega$ with acoustic continuity signal
Display	LCD (display range 6000)
Measuring category:	CAT III, 600 V
Plier opening	27 mm

Item		Part No.	
CMT-80 Automatic teste	r	50077350	
Scope of supply	Description	Part No.	Page
TC-5	Nylon carry bag with belt loop	50075888	662
	Test leads	50113720	



# **CM** Series in detail















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Part No.	50118650	52022030	50075934	50076647	50076990	50077325	50077988
Catalogue No.	CM-330	CM-410	CM-600	CM-800	CM-900	CM-1300	CM-1500
True effective value							
DC A (A max.)					600		1000
Maximum resolution (A)					0,1		0,1
Greatest accuracy (%)					1,2		1,2
AC A (A max.)	400	400	600	600	600	1000	1000
Maximum resolution (A)	0,01	0,1	0,1	0,1	0,1	0,1	0,1
Greatest accuracy (%)	2,0	1,9	1,9	1,9	1,9	1,9	1,9
DC V (V max.)		600		600	600	1000	1000
Maximum resolution (V)		0,1		0,1	0,1	0,1	0,1
Greatest accuracy (%)		1,0		0,7	0,7	0,7	0,7
AC A (A max.)		600	600	600	600	750	750
Maximum resolution (V)		0,1	1	0,1	0,1	0,1	0,1
Greatest accuracy (%)		1,0	1,2	1,0	1,0	1,0	1,0
Resistance ( $\Omega$ )		20M	2000 Ω	400 Ω	400 Ω	400 Ω	400 Ω
Maximum resolution ( $\Omega$ )		0,1	1	0,1	0,1	0,1	0,1
Greatest accuracy (%)		0,7	1,5	1,0	1,0	1,0	1,0
Acoustic continuity check		•	•	•	•	•	•
Frequency				•	•	•	•
Frequency threshold value (Hz)	50-60	50-500	40-500	50-400	50-500	50-400	50-500
Plier opening	30 mm	27 mm	35 mm	34 mm	35 mm	51 mm	51 mm
Display type	Digital	Digital	Digital	Digital	Digital	Digital	Digital
Display of updating rate (x/s)	25	1,5	4	2,5	2,5	2,5	2,5
Display range	2000	2000	2000	4000	4000	4000	4000
Analogue bar chart				42 Segmente	42 Segmente	42 Segmente	42 Segmente
Updating rate analogue (x/s)				13	13	13	13
Display of low battery status	•	•	•	•	•	•	•
Automatic range selection		•		•	•	•	•
Automatic stop			Yes	Yes	Yes	Yes	Yes
Peak Hold				•	•	•	•
Data Hold (measured data memory)	•	•	•	•	•	•	•
Minimum value / maximum value				Yes	Yes	Yes	Yes
Measuring category	III, 600 V	III, 600 V	III, 600 V	III, 600 V	III, 600 V	IV, 600 V III, 1000 V	IV, 600 V III, 1000 V
CE	•	•	•	•	•	•	•
Limited lifetime warranty	•	•	•	•	•	•	•





# CM Series in detail 2











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Part No.	50076663	50077007	50077333	50077996	52020887
Catalogue No.	CM-850	CM-950	CM-1350	CM-1550	CSJ-100
True effective value	•	•	•	•	
DC A (A max.)		600		1000	
Maximum resolution (A)		0,1		0,1	
Greatest accuracy (%)		1,2		1,2	
AC A (A max.)	600	600	1000	1000	200
Maximum resolution (A)	0,1	0,1	0,1	0,1	0,1
Greatest accuracy (%)	1,9	1,9	1,9	1,9	3,0
DC V (V max.)	600	600	1000	1000	1000
Maximum resolution (V)	0,1	0,1	0,1	0,1	0,1
Greatest accuracy (%)	0,7	0,7	0,7	0,7	1,0
AC A (A max.)	600	600	750	750	1000
Maximum resolution (V)	0,1	0,1	0,1	0,1	0,1
Greatest accuracy (%)	1,0	1,0	1,0	1,0	1,5
Resistance ( $\Omega$ )	400 Ω	400 Ω	400 Ω	400 Ω	20ΜΩ
Maximum resolution ( $\Omega$ )	0,1	0,1	0,1	0,1	0,1
Greatest accuracy (%)	1,0	1,0	1,0	1,0	1,0
Acoustic continuity check	•	•	•	•	•
Frequency	•	•	•	•	
Frequency threshold value (Hz)	50-400	50-500	50-400	50-500	50-500
Plier opening	34 mm	35 mm	51 mm	51 mm	16 mm
Display type	Digital	Digital	Digital	Digital	Digital
Display of updating rate (x/s)	2,5	2,5	2,5	2,5	1,5
Display range	4000	4000	4000	4000	2000
Analogue bar chart	42 Segmente	42 Segmente	42 Segmente	42 Segmente	
Updating rate analogue (x/s)	13	13	13	13	
Display of low battery status	•	•	•	•	•
Automatic range selection	•	•	•	•	•
Automatic stop	Yes	Yes	Yes	Yes	Yes
Peak Hold	•	•	•	•	
Data Hold (measured data memory)	•	•	•	•	•
Minimum value / maximum value	Yes	Yes	Yes	Yes	
Measuring category	III, 600 V	III, 600 V	IV, 600 V III, 1000 V	IV, 600 V III, 1000 V	IV, 600 V III, 1000 V
CE	•	•	•	•	•
Limited lifetime warranty	•	•	•	•	•











## ■ CM-330

Clamp meters

■ Compact, ergonomic design for measuring in tight spaces

#### **Characteristics**

- Measurement of alternating currents to 400 A
- Data Hold function for recording peak values
- Data Hold function for recording important measurement results

## **Detail info**

Technical Data	
Current measurement:	0 – 400 A
Display	LCD (display range 2000)
Measuring category:	CAT III, 600 V
Plier opening	30 mm

Item		Part No.	
CM-330 clamp meter		50118650	
Scope of supply	Description	Part No.	Page
TC-5	Nylon carry bag with belt loop	50075888	662
	Battery 9 V		









































Clamp meters



■ Narrow, compact design for measuring in tight spaces

#### **Characteristics**

- Measurement of resistances to 20 0hm
- Data Hold function for recording important measured values
- Automatic device shut-off
- Continuity test

## **Detail info**

■ More detailed technical information can be found on page

649

Technical Data	
Voltage measurement:	600 V AC/DC
Continuity test:	Yes
Current measurement:	400 A AC
Resistance:	20 ΜΩ
Display	LCD (display range 2000)
Measuring category:	III, 600 V
Plier opening	27 mm
Accuracy:	0,7

Item		Part No.	
CM-410 clamp meter		52022030	
Scope of supply	Description	Part No.	Page
TC-5	Nylon carry bag with belt loop	50075888	662
	Battery 9 V		

## ■ CM-600

Clamp meters

## Characteristics

- Measurement of alternating voltage and alternating current
- Resistance measurement up to 2000 0hm
- Longer battery service life due to automatic shut-off

## **Detail info**

Technical Data	
Voltage measurement:	600 V AC
Current measurement:	600 A
Resistance:	2000 Ω
Display	3 1/2-character LCD (display range 2000)
Measuring category:	CAT III, 600 V
Plier opening	35 mm

Item		Part No.	
CM-600 clamp meter		50075934	
Scope of supply	Description	Part No.	Page
TC-10	Nylon carry bag with belt loop	50075349	663
	Battery 9 V		
	Test leads		







































## ■ CM-800

Clamp meters

## **Characteristics**

- Measurement of alternating current, direct and alternating voltage, frequency and resistance
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Longer battery service life due to selectable automatic shut-off

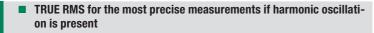
## **Detail info**

Technical Data	
Voltage measurement:	400.0, 600 V
Current measurement:	400.0, 600 A
Resistance:	400 Ω
Display	LCD (display range 4000)
Frequency:	0.400 kHz
Measuring category:	CAT III, 600 V
Plier opening	34 mm

Item CM-800 clamp meter		Part No.	
		50076647	
Scope of supply	Description	Part No.	Page
TC-10	Nylon carry bag with belt loop	50075349	663
	Battery 9 V		
	Test leads		

## ■ CM-850

Clamp meter, TRUE RMS



#### **Characteristics**

- Measurement of alternating current, direct and alternating voltage, frequency and resistance
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Longer battery service life due to selectable automatic shut-off

## **Detail info**

■ More detailed technical information can be found on page

650









Technical Data	
Voltage measurement:	400.0, 600 V
Current measurement:	400.0, 600 A
Resistance:	400 Ω
Display	LCD (display range 4000)
Frequency:	0.400 kHz
Measuring category:	CAT III, 600 V
Plier opening	34 mm
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Item CM-850 Clamp meter, TRUE RMS		Part No.	
		50076663	
Scope of supply	Description	Part No.	Page
TC-10	Nylon carry bag with belt loop	50075349	663
	Test leads		
	Battery 9 V		



























Clamp meters

## **Characteristics**

- Measurement of direct and alternating current, direct and alternating voltage, frequency and resistance
- Dual reverberation sensor ensures precision during direct current measurement
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Automatic zero-point setting for direct current measurement
- Longer battery service life due to selectable automatic shut-off

#### **Detail info**

■ More detailed technical information can be found on page

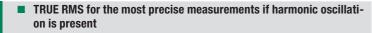
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Technical Data	
Voltage measurement:	400.0, 600 V
Current measurement:	400.0, 600 A
Resistance:	400 Ω
Display	LCD (display range 4000)
Frequency:	0.400 kHz
Measuring category:	CAT III, 600 V
Plier opening	35 mm

Item CM-900 clamp meter		Part No.	
		50076990	
Scope of supply	Description	Part No.	Page
TC-10	Nylon carry bag with belt loop	50075349	663
	Test leads		
	Battery 9 V		

## CM-950

Clamp meter, TRUE RMS



#### **Characteristics**

- Measurement of direct and alternating current, direct and alternating voltage, frequency and resistance
- Dual reverberation sensor ensures precision during direct current measurement
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Automatic zero-point setting for direct current measurement
- Longer battery service life due to selectable automatic shut-off









#### **Detail info**

Technical Data	
Voltage measurement:	400.0, 600 V
Current measurement:	400.0, 600 A
Resistance:	400 Ω
Display	LCD (display range 4000)
Frequency:	0.400 kHz
Measuring category:	CAT III, 600 V
Plier opening	35 mm

Item		Part No.	
CM-950 Clamp meter, TRUE RMS		50077007	
Scope of supply	Description	Part No.	Page
TC-10	Nylon carry bag with belt loop	50075349	663
	Test leads		
	Battery 9 V		



























## ■ CM-1300

Clamp meters

## **Characteristics**

- Measurement of alternating current, direct and alternating voltage, frequency and resistance
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Acoustic continuity check
- Longer battery service life due to selectable automatic shut-off

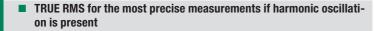
## **Detail info**

Technical Data	
Voltage measurement:	AC V 400.0, 750 V; DC V 400.0, 1000 V
Current measurement:	400.0, 1000 A
Resistance:	400 Ω
Display	LCD (display range 4000)
Frequency:	0.400 kHz
Measuring category:	CAT III, 600 V; CAT III, 750 V AC/1000 V DC
Plier opening	51 mm

Item		Part No.	
CM-1300 clamp meter		50077325	
Scope of supply	Description	Part No.	Page
TC-30	Nylon carry bag with belt loop	50075365	
	Test leads		
	Battery 9 V		

## CM-1350

Clamp meter, TRUE RMS



#### **Characteristics**

- Measurement of alternating current, direct and alternating voltage, frequency and resistance
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Acoustic continuity check
- Longer battery service life due to selectable automatic shut-off

#### **Detail info**

Technical Data	
Voltage measurement:	AC V 400.0, 750 V; DC V 400.0, 1000 V
Current measurement:	400.0, 1000 A
Resistance:	400 Ω
Display	LCD (display range 4000)
Frequency:	0.400 kHz
Measuring category:	CAT III, 600 V; CAT III, 750 V AC/1000 V DC
Plier opening	51 mm

Item		Part No.	
CM-1350 Clamp meter, TRUE RMS		50077333	
Scope of supply	Description	Part No.	Page
TC-30	Nylon carry bag with belt loop	50075365	
	Test leads		
	Battery 9 V		









































## ■ CM-1500

Clamp meters

## **Characteristics**

- Measurement of direct and alternating current, direct and alternating voltage, frequency and resistance
- Dual reverberation sensor ensures precision during direct current measurement
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Acoustic continuity check

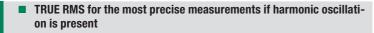
## **Detail info**

Technical Data	
Voltage measurement:	AC V 400.0, 750 V; DC V 400.0, 1000 V
Current measurement:	400.0, 1000 A
Resistance:	400 Ω
Display	LCD (Anzeigeumfang 4000)
Frequency:	0.400 kHz
Measuring category:	CAT III, 600 V; CAT III, 750 V AC/1000 V DC
Plier opening	51 mm

Item CM-1500 clamp meter		Part No.	
		50077988	
Scope of supply	Description	Part No.	Page
TC-30	Nylon carry bag with belt loop	50075365	
	Test leads		
	Battery 9 V		

## CM-1550

Clamp meter, TRUE RMS



#### **Characteristics**

- Measurement of alternating current, direct and alternating voltage, frequency and resistance
- Dual reverberation sensor ensures precision during direct current measurement
- Easy-to-read backlit display for poor lighting conditions
- Peak Hold and Data Hold function for recording measurement results
- MIN/MAX function for more versatile applications
- Analogue bar chart for checking fast changes
- Acoustic continuity check
- Longer battery service life due to selectable automatic shut-off











#### **Detail info**

Technical Data		
Voltage measurement:	AC V 400.0, 750 V; DC V 400.0, 1000 V	
Current measurement:	400.0, 1000 A	
Resistance:	400 Ω	
Display	LCD (display range 4000)	
Frequency:	0.400 kHz	
Measuring category:	CAT III, 600 V; CAT III, 750 V AC/1000 V DC	
Plier opening	51 mm	

Item		Part No.	
CM-1550 Clamp meter, TRUE RMS		50077996	
Scope of supply	Description	Part No.	Page
TC-30	Nylon carry bag with belt loop	50075365	
	Test leads		
	Battery 9 V		













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Jaw meter, open

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## **Characteristics**

- Measurement of AC, DC and alternating voltage
- For easy, quick voltage measurement
- Test leads can be fastened to the housing
- Resistance measurement up to 20 M0hm
- Acoustic continuity test and diode test
- Alarm and LED for contactless voltage detection
- Automatic shut-off for longer service life
- Data Hold for recording the measured values
- LCD display range: 2000

#### Order info

■ More detailed technical information can be found on page

650

Technical Data	
Voltage measurement:	200.0, 1000 V
Current measurement:	200 A AC
Resistance:	20ΜΩ
Display	LCD (display range 2000)
Measuring category:	CAT IV, 600 V CAT III, 1000 V
Plier opening	16 mm

Item		Part No.	
CSJ-100 jaw meter, open		52020887	
Scope of supply	Description	Part No.	Page
TC-5	Nylon carry bag with belt loop	50075888	662
	Test leads		
	Batteries 1.5 V		

## ■ TC-5

Nylon carry bag with belt loop

## Suitable for:

CMT-80 / CM-330 / CM-410 / CSJ-100

Item	Part No.
Nylon carry bag with belt loop	50075888

## ■ TC-10

Nylon carry bag with belt loop

## Suitable for:

■ CM-600 / CM-800 / CM-850 / CM-900 / CM-950

Item	Part No.
Nylon carry bag with belt loop	50075349



## ■ TC-30

Nylon carry bag with belt loop

## Suitable for:

- CM-1300 / CM-1350 / CM-1500 / CM-1550
- Voltage tester GT-55E / GT-65E / GT-85E / GT-95E

Item	Part No.
Nylon carry bag with belt loop	50075365















