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Metrel MI 2885 Master Q4

Metrel MI 2885 Master Q4 Power Quality Analyzer User Manual

Comprehensive guide for operation and maintenance.

PRODUCT OVERVIEW

The Metrel MI 2885 Master Q4 is a sophisticated 3-phase power quality analyzer designed for comprehensive electrical system analysis and troubleshooting. It is engineered to automatically record critical data and waveforms related to voltage events such as dips and swells, and allows users to configure up to seven optional triggers for capturing specific quantities.



Front view of the Metrel MI 2885 Master Q4 Power Quality Analyzer, showing its display and control buttons.

This instrument is an essential tool for professionals requiring detailed insights into power quality, including harmonic analysis, energy consumption, and event recording. Its robust design and extensive measurement capabilities make it

suitable for a wide range of industrial and scientific applications.

INCLUDED EQUIPMENT

The MI 2885 Master Q4 package includes all necessary components to begin power quality analysis immediately. Please verify all items are present upon unboxing.



The Metrel MI 2885 Master Q4 Power Quality Analyzer shown with its comprehensive set of included accessories, such as test probes, crocodile clips, measurement leads, power adapter, and carrying bag.

- Instrument Master Q4
- Test probes (brown, black, grey, green, blue), 5 pieces
- Crocodile clips (brown, black, grey, green, blue), 5 pieces
- Voltage measurement leads (brown, black, grey, green, blue), 5 pieces
- Labels for color coding
- MicroSD memory card 8.0GB
- MicroSD card reader
- PC SW PowerView3 software
- RS232, USB, and Ethernet patch cables
- Power supply adapter
- 1.2 V NiMH rechargeable batteries, 6 pieces
- Soft carrying bag
- Instruction manual
- Calibration certificate

SETUP

Before operating the MI 2885 Master Q4, ensure proper setup to guarantee accurate measurements and safe operation.

Battery Installation and Charging

1. Locate the battery compartment on the rear of the instrument.
2. Insert the 6 provided 1.2 V NiMH rechargeable batteries, observing correct polarity.
3. Connect the power supply adapter to the instrument and a suitable power outlet to charge the batteries before first use.

MicroSD Card Installation

1. Locate the MicroSD card slot, typically on the side or bottom of the device.
2. Insert the 8.0GB MicroSD card until it clicks into place. This card is essential for data logging and storage.

Initial Connection and Configuration

1. Power on the device by pressing the designated power button.
2. Follow the on-screen prompts for initial language and time zone settings.
3. For PC connectivity, install the PowerView3 software on your computer. Connect the analyzer using the provided RS232, USB, or Ethernet patch cable.

OPERATING THE ANALYZER

The MI 2885 Master Q4 offers a wide range of measurement functions for comprehensive power quality analysis.

Measurement Functions

The analyzer is capable of performing the following measurements:

- **Voltage:** TRMS, peak, crest factor (4-channels).
- **Current:** TRMS, peak, crest factor (4-channels).
- **Power:** Active, reactive, apparent.
- **Power Measurements:** Fully compliant with IEEE 1459 (active, non-active, fundamental, harmonic, load unbalance).
- **VFD:** Variable Frequency Drives analysis.
- **Unbalance and Flicker Measurement.**
- **Harmonic and Interharmonic Analysis:** Up to 50th harmonics, THD measurement.
- **Energy:** Active, reactive, generated, consumed.
- **Event Capturing:** Recording of power supply events (shutdowns, interruptions, swells, dips).
- **Inrush Currents:** Monitoring and recording.
- **Waveform/Inrush Display:** Snapshot and recording.
- **Power Quality Analysis:** According to EN 50160.
- **Alarm Recording:** Up to 7 adjustable alarms.
- **Temperature Measurement.**
- **Photo-voltaic Inverter Efficiency Measurements.**
- **Power Factor:** $\cos \phi$.

Performing a Measurement

1. Connect the appropriate test probes, crocodile clips, or current clamps to the measurement points of the electrical system. Ensure secure and correct connections for all 4 voltage and 4 current channels.
2. Navigate through the instrument's menu using the control buttons to select the desired measurement function (e.g., Voltage, Harmonics, Power Quality).
3. Configure measurement parameters such as recording interval, trigger levels for events, and alarm thresholds as needed.
4. Initiate the measurement. The device will begin recording data to the MicroSD card.
5. Review real-time data on the display.
6. Stop the measurement once sufficient data has been collected.

Data Analysis with PowerView3 Software

The included PowerView3 PC software is crucial for detailed analysis of recorded data.

1. Remove the MicroSD card from the analyzer or connect the analyzer directly to your PC.
2. Insert the MicroSD card into the card reader connected to your PC, or establish a direct connection.
3. Launch PowerView3 software.
4. Import the recorded data files.
5. Utilize the software's features to generate reports, analyze trends, and visualize waveforms and events.

MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your MI 2885 Master Q4 Power Quality Analyzer.

Cleaning

- Wipe the instrument's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Ensure all ports and connectors are free from dust and debris.

Battery Care

- Recharge batteries regularly, especially if the instrument will be stored for an extended period.
- If the instrument is not used for a long time, remove the batteries to prevent leakage.

Storage

- Store the analyzer and its accessories in the provided soft carrying bag to protect them from physical damage and environmental factors.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.

Calibration

- The instrument comes with a calibration certificate. For continued accuracy, periodic re-calibration by an authorized service center is recommended according to local regulations or usage frequency.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your MI 2885 Master Q4.

Problem	Possible Cause	Solution
Instrument does not power on.	Low or depleted batteries; Incorrect battery installation; Faulty power adapter.	Ensure batteries are fully charged and correctly inserted. Try powering on with the power adapter connected. If issues persist, replace batteries or contact support.
Measurement readings are inaccurate or erratic.	Loose or incorrect probe connections; Incorrect measurement settings; Environmental interference; Instrument requires calibration.	Check all connections. Verify measurement settings match the application. Move away from strong electromagnetic fields. Consider sending the instrument for re-calibration.
Data not saving to MicroSD card.	MicroSD card full; MicroSD card not properly inserted; Corrupted MicroSD card.	Check available space on the MicroSD card. Reinsert the card. Try formatting the card (this will erase all data) or use a different MicroSD card.

Problem	Possible Cause	Solution
Cannot connect to PC via PowerView3.	Incorrect cable connection; Driver issues; Software not installed correctly.	Ensure the correct cable (USB, RS232, Ethernet) is securely connected. Reinstall PowerView3 software and ensure drivers are up to date. Try a different USB port or cable.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please refer to the full instruction manual or contact Metrel customer support.

SPECIFICATIONS

The following are key technical specifications for the Metrel MI 2885 Master Q4 Power Quality Analyzer.

- **Model:** MI 2885 Master Q4
- **Brand:** Metrel
- **Power Source:** Battery Powered (1.2 V NiMH rechargeable batteries)
- **Voltage Channels:** 4 channels, 0 ... 1000 Vrms (CAT III / 1000 V)
- **Current Channels:** 4 channels, supports automatic clamp recognition
- **Memory:** 8.0GB MicroSD memory card
- **Compliance:** IEC 61000-4-30 Class S (0.1%), EN 50160
- **Harmonic Analysis:** Up to 50th harmonics
- **PC Software:** PowerView3
- **Connectivity:** RS232, USB, Ethernet
- **Date First Available:** September 15, 2020

For a complete list of detailed technical specifications, including measurement ranges, accuracy, and environmental conditions, please refer to the comprehensive technical documentation provided with your instrument or available on the manufacturer's website.

TECHNICAL SPECIFICATION

FUNCTION

Voltage inputs	AC+DC
Number of inputs	5
Nominal voltage range (L - N)	Phase (L-N): 50 ... 1000 VRMS Line (L-L): 50 ... 1730 VRMS
Measuring range	10% ... 150% of nominal voltage
Accuracy	IEC 61000-4-30 Class S, $\pm 0.1\%$ of nominal voltage,
Sampling rate	7 kSamples per sec @ 50/60 Hz, sync with mains freq. 1.7 kSamples per sec @ VFD (5 Hz - 110 Hz)
Mains frequency range	12.2 kSamples per sec @ 400 Hz 42,5 ... 69,0 Hz ± 10 mHz 5 ... 110 Hz ± 10 mHz (VFD) 335,0 ... 465,0 Hz ± 100 mHz

Current inputs	AC+DC
Number of inputs	4
Measuring range	
(with A 1227 / A 1502 flex clamps)	3 ... 6000 ARMS $\pm 1.5\%$ of m.v.
Measuring range (with A1281 iron clamps)	50 m ... 1200 ARMS $\pm 0.5\%$ of m.v.

Functions	Measuring range	Accuracy
Power (P, Q, S)	Depends on voltage and selected clamps	IEC 61557-12 Class 1
Energy	Depends on voltage and selected clamps	Active: IEC 62053-21 Class 1 Reactive: IEC 62053-23 Class 2
Harmonics (DC ... 50th) @ 50/60 Hz	0 ... 20% of nom. voltage	IEC 61000-4-7 Class 1
Harmonics (DC ... 20th) @ VFD (5 - 16 Hz)		
Harmonics (DC ... 13th) @ VFD (16 - 33 Hz)		
Harmonics (DC ... 5th) @ VFD (33 - 110 Hz)		
Interharmonics (1 ... 50th) @ 50/60 Hz	0 ... 20% of nom. voltage	IEC 61000-4-7 Class 1
Interharmonics (1 ... 20th) @ VFD (5 - 16 Hz)		
Interharmonics (1 ... 13th) @ VFD (16 - 33 Hz)		
Interharmonics (1 ... 5th) @ VFD (33 - 110 Hz)		
Flicker	0.2 ... 10	IEC 61000-4-15 Class F3
Mains signalling	0 ... 15% of nom. voltage	IEC 61000-4-30 Class S
Unbalance	Voltage: 0 ... 5% Current: 0 ... 20%	
Temperature	-10 ... 85 °C	± 0.5 °C
Dips, Swell	10 ... 150% of nom. voltage	± 0.2 % of nominal voltage ± 1 cycle
Interrupts	0 ... 10% of nom. voltage	± 1 cycle

Recorders	
Memory	8GB microSD, up to 32GB supported

General recorder	
Integration period	1s ... 2h
Recorded signals	> 1000 (voltages, currents, harmonics, power...) Minimal, maximal and average value per interval - Voltage events - Custom alarms
Duration	> 1 year (depends on size of SD card)

Waveform recorder	
Duration	Up to 20 seconds of voltage and current waveform
Trigger	Manual, Voltage Events, Custom Alarms, Voltage or current level (inrush), Time interval

General	
Display	4.3 inch color TFT (480 x 272)
Communication	USB, Ethernet
Time synchronisation	GPS receiver (A 1355)
Power supply	110 ... 240 Vac or 6 x NiMH rechargeable batteries, size AA
Overvoltage category	CAT IV / 600 V or CAT III / 1000 V
Weight	0,96 kg
Dimensions	230 x 140 x 80 mm

A detailed technical specifications sheet for the Metrel MI 2885 Master Q4, outlining functions, inputs, current inputs, and recorder details.

WARRANTY AND SUPPORT

The Metrel MI 2885 Master Q4 Power Quality Analyzer comes with a manufacturer's warranty and dedicated support resources.

Warranty Information

This product is covered by a **2-year (24-month) warranty** from the manufacturer, Metrel. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

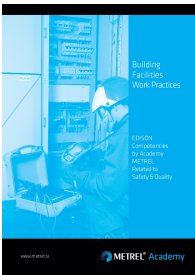
Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Metrel customer support. Refer to the contact information provided in the full instruction manual or visit the official Metrel website for the most up-to-date support details.

You may also find additional resources, FAQs, and software updates on the Metrel support portal.

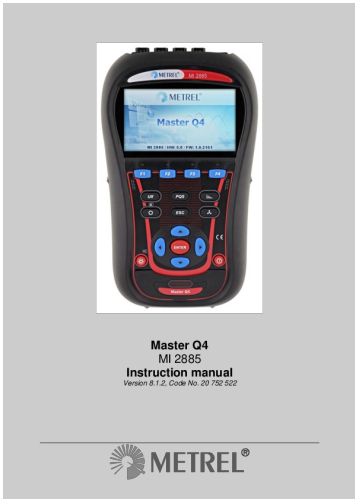
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Related Documents - MI 2885 Master Q4

 Power Master XT / Power Master / Master Q4 MI 2893 / MI 2892 / MI 2885 (Rev. 5.0) Instruction manual Document 5.0 (Rev. 5.0) 	METREL Power Master XT MI 2893/2892/2885: Instruction Manual for Power Quality Analysis This instruction manual provides detailed information on the METREL Power Master XT series (MI 2893, MI 2892, MI 2885) for power quality analysis, transient capturing, and energy efficiency measurements. Learn about instrument operation, features, and technical specifications.
 Master Q4 MI 2885 Instruction manual Document 5.0 (Rev. 5.0) 	METREL MI 2885 Master Q4 Instruction Manual: Power Quality and Energy Analysis Explore the METREL MI 2885 Master Q4, a handheld instrument for detailed power quality analysis and energy efficiency measurements. This manual covers features, operation, and technical specifications for electrical professionals.
 Building Facilities Electrical Safety & Quality Training and Certification CPQ Continuing Professional Development 	Metrel Academy: Building Facilities Electrical Safety & Quality Training and Certification Explore Metrel Academy's comprehensive training programs and certifications for electrical safety and quality in building facilities. Learn about professional qualifications (CPQ) and continuing professional development (CPD) for electricians, engineers, and technicians, covering a wide range of competencies from low voltage installations to lightning protection and medical equipment safety.

 Power Harmonics Analyser MI 2092 User Manual Version 1.0 (2017) 	MI 2092 Power Harmonics Analyser User Manual User manual for the Metrel MI 2092 Power Harmonics Analyser, detailing its features, operation, specifications, and safety considerations for three-phase power systems.
 Technical Data Sheet Site Master™ Compact Handheld Cable & Antenna Analyzer with Spectrum Analyzer S331E S332E S361E S362E	Anritsu Site Master S331E, S332E, S361E, S362E: Technical Data Sheet Detailed technical specifications and features for the Anritsu Site Master™ series of handheld cable and antenna analyzers with spectrum analysis capabilities, including models S331E, S332E, S361E, and S362E. Covers measurements, setup parameters, performance specifications, and optional accessories.
 User Guide VNA Master MS2024B, MS2025B, MS2034B, and MS2035B Handheld Compact Vector Network Analyzer	Anritsu VNA Master MS20xxB User Guide: Vector Network Analyzer & Spectrum Analyzer This user guide provides comprehensive information on the Anritsu VNA Master MS20xxB series, including models MS2024B, MS2025B, MS2034B, and MS2035B. It covers instrument operation, specifications, calibration, safety, and software tools for these handheld compact vector network analyzers with spectrum analysis capabilities.

Documents - Metrel – MI 2885 Master Q4



[METREL MI 2885 Master Q4 Instruction Manual: Power Quality and Energy Analysis](#)

Explore the METREL MI 2885 Master Q4, a handheld instrument for detailed power quality analysis and energy efficiency measurements. This manual covers features, operation, and technical specifications for electrical professionals.

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Analiza kakovosti električne energije MI 2885 Master Q4 Single 2020 MI2885MasterQ4 Slo metrel si
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Analiza kakovosti električne energije Analiza kakovosti električne energije MI 2885 Master Q4 Instrument MI 2885 Master Q4 je idealno orodje za iskanje težav s kvaliteto električne energije. Ima snemalnik za shranjevanje podatkov in zajemanje valovanj ter napetostnih dogodkov kot so udori in grbin...

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Class S Power Quality Analyser MI 2885 Master Q4 Power Quality Analyser The MI 2885 Master Q4 is an ideal troubleshooting tool. The recorders are designed to automatically record all important data and waveforms of voltage events like Dips and Swells. In addition the user can set 7 optional trigge...

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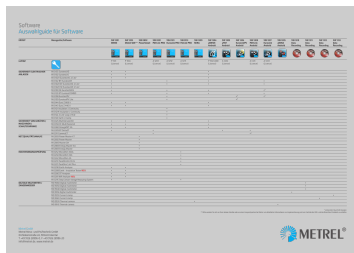


[\[pdf\]](#) User Manual Accessories

Sirotić prog dir II Irvin 3G and Wi Fi Router A 1622 Instruction manual Metrel Remote Communication over GPRS network 5 Attach 2 antennas 3 Connect the power adapter to socket on front of device Then plug other end into WIFI Multilingual Ver 0 20 752 818 metrel si assets Navodila instrumentov Accessories |||

3G and Wi-Fi Router A 1622 Instruction manual Version 1.0, Code No. 20 752 818 Distributor: METREL ... 1622 - 3G and Wi-Fi Router Introduction 1 Introduction Metrel instruments MI 2892 Power Master, MI 2885 Master Q4, etc. can be remotely accessed through Ethernet communication port. However, on m...

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Class S Power Quality Analyser MI 2885 Master Q4 NEW The MI 2885 Master Q4 is an ideal troubleshooting tool. The recorders are designed to automatically record all important data and waveforms of voltage events like Dips and Swells. In addition the user can set 7 optional triggers for capturing wa...

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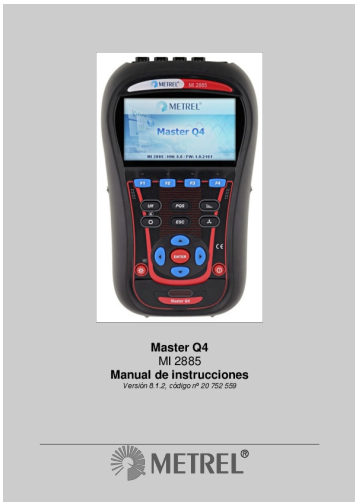


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Sirotić prog dir II Irvin Master Q4 MI 2885 Manual de instrucciones Spa Ver 8 1 2 20 752 559 metrel si assets Metrel Navodila instrumentov Instruments |||

Master Q4 MI 2885 Manual de instrucciones Versin 8.1.2, cdigo n 20 752 559

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3 MI 2885 Master Q4 ndice 3.13.3 Tabla69

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The image shows a handheld electronic device, the Metrel Master Q4, which is black with red accents. It features a color LCD screen at the top displaying the 'Master Q4' logo and technical specifications: 'MC 20850 - 1000 V.D.C. 1700 V.A.C. 50 Hz'. Below the screen is a keypad with various buttons including 'OFF', 'ON', 'FREQ', 'TEMP', 'HOLD', 'MODE', 'MEMO', 'PRINT', 'PAGE', 'F1', 'F2', 'F3', 'F4', 'F5', 'F6', 'F7', 'F8', 'F9', 'F10', 'F11', 'F12', 'F13', 'F14', 'F15', 'F16', 'F17', 'F18', 'F19', 'F20', 'F21', 'F22', 'F23', 'F24', 'F25', 'F26', 'F27', 'F28', 'F29', 'F30', 'F31', 'F32', 'F33', 'F34', 'F35', 'F36', 'F37', 'F38', 'F39', 'F40', 'F41', 'F42', 'F43', 'F44', 'F45', 'F46', 'F47', 'F48', 'F49', 'F50', 'F51', 'F52', 'F53', 'F54', 'F55', 'F56', 'F57', 'F58', 'F59', 'F60', 'F61', 'F62', 'F63', 'F64', 'F65', 'F66', 'F67', 'F68', 'F69', 'F70', 'F71', 'F72', 'F73', 'F74', 'F75', 'F76', 'F77', 'F78', 'F79', 'F80', 'F81', 'F82', 'F83', 'F84', 'F85', 'F86', 'F87', 'F88', 'F89', 'F90', 'F91', 'F92', 'F93', 'F94', 'F95', 'F96', 'F97', 'F98', 'F99', 'F100'. The device is shown against a plain white background.



A black handheld electronic device, the Metrel Master Q4, is shown. It features a color LCD screen displaying the Metrel logo and 'Master Q4'. Below the screen is a keypad with various buttons including 'F1', 'F2', 'F3', 'F4', 'F5', 'F6', 'F7', 'F8', 'F9', 'F10', 'F11', 'F12', 'F13', 'F14', 'F15', 'F16', 'F17', 'F18', 'F19', 'F20', 'F21', 'F22', 'F23', 'F24', 'F25', 'F26', 'F27', 'F28', 'F29', 'F30', 'F31', 'F32', 'F33', 'F34', 'F35', 'F36', 'F37', 'F38', 'F39', 'F40', 'F41', 'F42', 'F43', 'F44', 'F45', 'F46', 'F47', 'F48', 'F49', 'F50', 'F51', 'F52', 'F53', 'F54', 'F55', 'F56', 'F57', 'F58', 'F59', 'F60', 'F61', 'F62', 'F63', 'F64', 'F65', 'F66', 'F67', 'F68', 'F69', 'F70', 'F71', 'F72', 'F73', 'F74', 'F75', 'F76', 'F77', 'F78', 'F79', 'F80', 'F81', 'F82', 'F83', 'F84', 'F85', 'F86', 'F87', 'F88', 'F89', 'F90', 'F91', 'F92', 'F93', 'F94', 'F95', 'F96', 'F97', 'F98', 'F99', 'F100'. The device has a red carrying strap attached to the sides.

Master Q4
MI 2885

Instruction manual
Version 8.3.5, Code No. 20 751 522

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Netzqualitätsanalysegerät Klasse S MI 2885 Master Q4 Single 2015 Deu r recom ch shop DBFiles |||

Neu Netzqualitätsanalysegert Klasse S MI 2885 Master Q4 Der MI 2885 Master Q4 ist ein idealer Netzanalysator, der in der Lage ist, alle wichtigen Ereignisse wie Spannungseinbrüche und Spannungsspitzen aufzuzeichnen. Zusätzlich kann man 7 optionale Spannungsereignisse einstellen. Durch die übersichtlich...

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Master Q4 MI 2885 Instruction manual Version 8.3.5, Code No. 20 752 522

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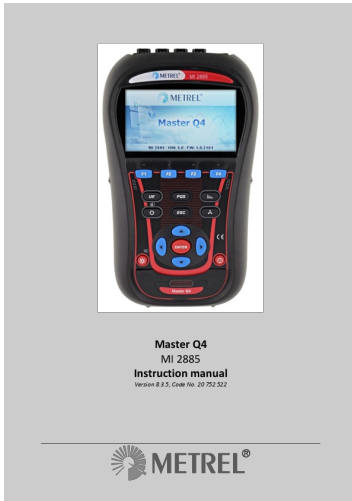
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Master Q4 MI 2885 Instruction manual Version 8.3.5, Code No. 20 752 522

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Introduction

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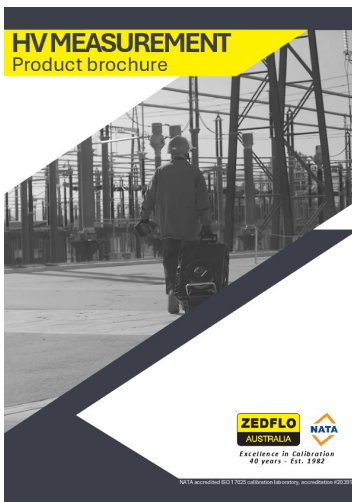


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Class S Power Quality Analyser MI 2885 Master Q4 NEW The MI 2885 Master Q4 is an ideal troubleshooting tool. The recorders are designed to automatically record all important data and waveforms of voltage events like Dips and Swells. In addition the user can set 7 optional triggers for capturing wa...

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MEASUREMENT Product brochure Excellence in Calibration 40 years - Est. 1982 NATA accredited ISO 17025 calibration laboratory, accreditation #20391 Microohm Meters Our Microohm meter product range Measuring very low resistances in large c

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Inne urzdzzenia / adaptery / akcesoria NOWO Inne urzdzzenia / adaptery / akcesoria CS 2890 Kalibrator ... IBRATOR Wzorcowanie Analizatorw Jakoci Energii Metrel Klasy A MI 2892 Power Master oraz Klasy S MI 2885 Master Q4, MI 2883 Energy Master Predefiniowane punkty kalibracji, powizane z testowanym p...

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22 281 2559 , MI 2892 Power Master 3 Energy Saving EN50160 IEC61000-4-30 Class A Standard Class A , , Harmonics, Flicker, Metrel MI 2892 Class S Software Power View 3 Internet WIFI Router USB Flash Drive MI 2885 Master Q4, MI 2883 Energy Master 3 Metrel MI 2885 ...

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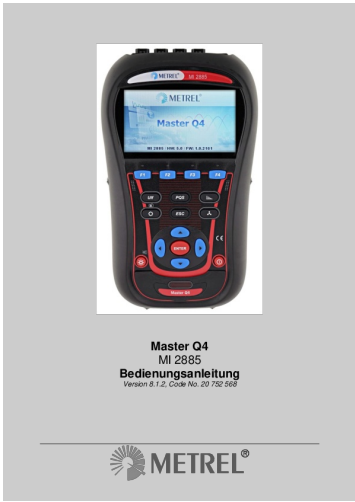
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Class A MI 2892 Power Master and Class S MI 2885 Master Q4, MI 2883 Energy Master - predefined calibration points, related to the tested ins...

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Sirotić prog dir II Irvin Download Bedienungsanleitung MI 2885 Power Q4 Metrel MI2885EU Master EU

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sonstiger Weise verwendet werden. 2 MI 2885 Master Q4 Inhaltsverzeichnis 1 Einleitung

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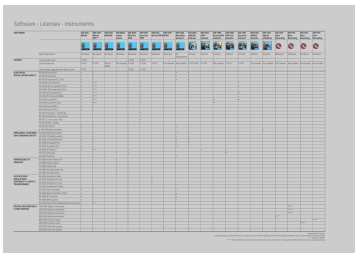
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MD 9070 TRMS Insulation / Continuity Digital Multimeter The MD 9070 is a high accuracy insulation an ... e test structure, result download, tree-view, table view and graphical view, storing and printing. MI 2885 Master Q4 The MI 2885 Master Q4 is an ideal troubleshooting tool. The recorders are designe...

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A comprehensive guide detailing software licenses and instrument compatibility for Metrel's range of electrical testing and measurement equipment, including models for installation safety, appliance testing, power quality analysis, and digital multimeters.

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Analiza kakovosti električne energije Analiza kakovosti električne energije CS 2890
Power Calibrato ... kovosti električne energije Razreda A MI 2893 Power Master XT,
MI 2892 Power Master in razreda S MI 2885 Master Q4, MI 2883 Energy Master .
Pred-definirane kalibracijske točke za izbran analizator....

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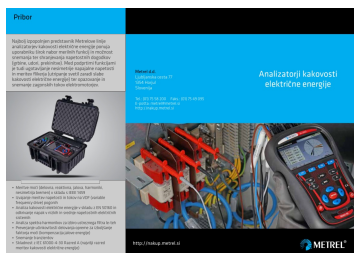


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NOVO MI 3155 EurotestXD 3360 OmegaPAT XA 3290 Earth Analyser A 1352 EVSE Adapter 289

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Fotovoltaicnih sistemov Str ... itve je nato mogoče prenesti na PC in jih analizirati s
programskim paketom PowerView 3 v paketu . MI 2885 Master Q4 cena: ST set:
2113,30 EUR EU set: 2746,70 EUR MI 2885 Master Q4 je idealno orodje ...
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zagnanskih tokov elektromotorjev. MI 2885 Master Q4 Vmesni model 3. generacije
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, METREL ISO9001 Electrical Installation Safety Metrel MI 3100 SE : Eurotest EASI
Multifunction Electrical Installation Safety Tester BS7671, IEC60364, IEC61557
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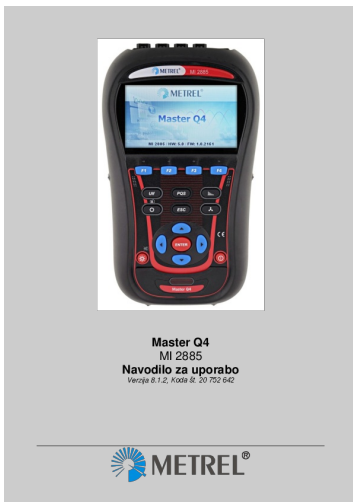
lang:de score:27 filesize: 836.94 K page_count: 2 document date: 2019-11-25



Metrel MI 2885 Master Q4: Class S Power Quality Analyzer

Detailed specifications and features of the Metrel MI 2885 Master Q4, a portable three-phase power quality analyzer designed for troubleshooting and long-term recording in electrical systems.

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Sivu 1 4 Page 2 Tekniset tiedot ETIM Snro 6769300 20250806 sahknumerot |||

Shknlaatumittari - Metrel MI-2885 - Metrel Tuotteelle ei en tarvita shknumeroa, se on poistunut toim ... ulostettu 06.08.2025 20:06 Siviu 3/4 67 693 00 Shknlaatumittari - Metrel MI-2885 - Metrel MI-2885 MI 2885 Master Q4 on ihanteellinen vianmritystyskalu shkverkon ongelmiin. Laite tallentaa automaattis...

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Class S Power Quality Analyser MI 2885 Master Q4 Power Quality Analyser The MI 2885 Master Q4 is an ideal troubleshooting tool. The recorders are designed to automatically record all important data and waveforms of voltage events like Dips and Swells. In addition the user can set 7 optional trigge...

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Class S Power Quality Analyser MI 2885 Master Q4 Power Quality Analyser The MI 2885 Master Q4 is an ideal troubleshooting tool. The recorders are designed to automatically record all important data and waveforms of voltage events like Dips and Swells. In addition the user can set 7 optional trigge...

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Class S Power Quality Analyser MI 2885 Master Q4 Power Quality Analyser The MI 2885 Master Q4 is an ideal troubleshooting tool. The recorders are designed to automatically record all important data and waveforms of voltage events like Dips and Swells. In addition the user can set 7 optional trigge...

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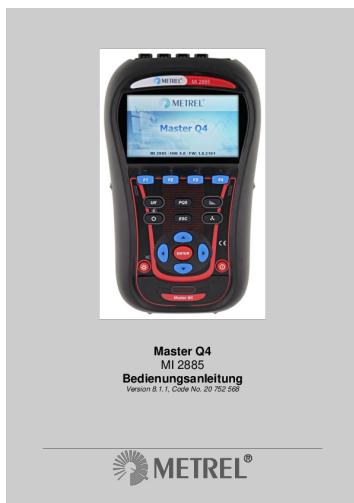
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