

MULTIMETERS & ANALYSERS: CONTENTS

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MULTIMETERS & ANALYSERS

TemMeasure

Terasaki offers a high performance cost effective solution to power management of electrical distribution networks.

The TEMA multifunction analyser is much more than a meter, it allows the monitoring of all electrical parameters to be centralised. This enables the comparison and analysis of power distribution networks.

TEMA-90 ANALYSER



The TEMM-90 is a flush mounted DIN 96x96mm electrical analyser with a backlit blue LCD screen. The TEMM-90 is a compact, extremely reliable, user friendly unit that offers excellent functionality.

- **Auxiliary Supply:** 85-265Vac/dc, 50-60 Hz
- **Protection Degree:** Front IP52 Box IP 20
- **Measured Parameters:** VI-I, VI -N, A, cos ϕ , P, F, F, °T, W, VAR, VA, +kWh, -kWh, +kVarh, -Kvarh, +kVAh, -kVAh, THD
- **Measuring Accuracy:** Voltage: <0.5%, Current: <0.5%, Powers: <1%
Energies: <1%
- **Serial outputs:** RS485/RS232 selectable
- **Communications:** Protocol ASCII or MODBUS-RTU selectable, baud rate 1200-19200 bps
- **Clock Calendar:** Day/month/year, Hour/min/sec
- **Digital outputs:** 2 outputs - (for pulse counting or synchronisation)
10-50Vdc-500mA or 260Vac-100mA max.
- **Memory:** 128Kb

TEMA-90H ANALYSER



The TEMM-90H has the same functionality as the TEMM-90, with the addition of a harmonic analysis function up to the 31st harmonic.

NRG SOFTWARE



NRG is supervision and control software for managing electrical networks from a PC. The software gathers data generated from TEMM multifunction meters and TEMA multifunction analysers and displays the information in a clear easy-to-understand format. The software is very intuitive and simple to use.

TEMMEASURE

MULTIMETERS & ANALYSERS

TemMeasure

The TEMM digital multifunction meter series allows the measurement of the main electrical parameters of an electrical distribution network. The selection of the parameters (over 30) can be easily visualised help of a clear and concise LED display.

TEMM-R4-HP



The TEMM-R4-HP is flush mounted DIN 96x96mm with a shallow depth (56mm including terminals). It is an easy-to-use digital multifunction energy meter.

- **Auxiliary Supply:** Self powered
- **Protection Degree:** Front IP52 Box IP 20
- **Measured Parameters:** VL-L, VL-N, A, cos phi, P, F, F, °T, W, VAr, VA, kWh, kVarh, kVAh
- **Measuring Accuracy:** Voltage: <0.5%, Current: <0.5%, Powers: <1%
Energies: <1%
- **Communications:** Pulsed output

TEMM-R4-485



The TEMM-R4-485 is a flush mounted DIN 96x96mm with a shallow depth (56mm including terminals). It is an easy to use digital multifunction energy meter with an RS485 communication output.

- **Auxiliary Supply:** Self powered
- **Protection Degree:** Front IP52 Box IP 20
- **Measured Parameters:** VL-L, VL-N A, cos phi, P, F, F, °T, W, VAr, VA, kWh, kVarh, kVAh
- **Measuring Accuracy:** Voltage: <0.5%, Current: <0.5%, Powers: <1%
Energies: <1%
- **Communications:** MODBUS-RTU, baud rate 9600-19200 bps.

MULTIMETERS & ANALYSERS

TemMeasure

Code	Description	Price
631201012	TEMM-R4-HP Multimeter	
631201013	TEMM-R4 Multimeter with 485	

Code	Description	Price
631102190	TEMA 90 - Analyser	
631102191	TEMA 90H - Analyser (Harmonics)	

NRG Software

Code	Description	Price
631300002	NRG 2 Software	
631300004	NRG 4 Software	
631300008	NRG 8 Software	
631300016	NRG 16 Software	
631300032	NRG 32 Software	
631300064	NRG 64 Software	
631300028	NRG 128 Software	