





OFFICE AND WAREHOUSE

C/ Thomas Alva Edison, 16-17
Pol. Industrial Plans d'Arau
08787 La Pobla de Claramunt (Barcelona) Spain

FACTORY AND LABORATORY

C/ Thomas Alva Edison, 12-13
Pol. Industrial Plans d'Arau
08787 La Pobla de Claramunt (Barcelona) Spain

CUSTOMER SERVICE

Tel. +34 93 808 79 80
ventas@sofamel.es
export@sofamel.es

www.sofamel.com

Sofamel S.L. is a Spanish company dedicated to the production of electrical material of connection as well as safety and electrical protection material.

Sofamel's main objective has been to reach a high degree of specialization with the aim of providing a global solution for our clients. The same backed up by strict quality standards and by important investments in machinery and design for the manufacturing of all those products that our factory produces. This has allowed us to offer one of the most extensive ranges of articles that exists on the market.

Our commitment with excellent quality work allows our company to own the quality management system certificate under standard UNE-EN ISO 9001:2015 and R+D+i certificate under standard UNE 166002:2021, both duly granted by the Spanish Association for Standardization and Certification (AENOR).





MEASURING INSTRUMENTS LOW VOLTAGE






635 Tester PTL-1000

Optical & Acoustic

Non-contact voltage tester that is easy to handle and use. Adjustable voltage detection range. Automatically distinguishes neutral and phase wires. Distinct alarm sounds and different coloured LEDs to indicate high, medium and low voltage intensity. Suitable for a wide range of applications.

Code	Ref.	 Box
635330	Tester PTL-1000	1

Technical information

- **Alarm mode:** Acoustic and light
- **Measuring range:** 12 V_{CA} - 1000 V_{CA} / 48 V_{CA} - 1000 V_{CA}
- **Power supply:** 2 x 1.5 V AAA batteries
- **Frequency:** 50 Hz / 60 Hz
- **Overload category:** CAT III 1000 V / CAT IV 600 V
- **Certificates:** CE, RoHS
- **Torch:** White light LED lamp
- **Colour:** Yellow
- **Dimensions:** 156 x 20 x 20 mm
- **Weight:** 45 g

Supplied with a nylon case for transport and storage.
According with standards EN 61010-1, IEC 62321 and EN 61326-1.



635 Tester BTL-600

Optical & Acoustic

Compact and convenient, highly accurate digital multimeter. Manual and automatic range adjustment. Pen type design that is easy to hold and use. Very safe, non-contact voltage detector function gives the user more confidence. Illuminated screen and torch allow use in all working environments, including in the dark. Diode test and continuity test functions.

Code	Ref.	Box
635300	Tester BTL-600	1

Technical information

- PScreen: 2000 digits
- Measuring range: Automatic and manual
- Voltage range: DC 200 mV / 2 V / 20 V / 200 V / 600 V
AC 200 mV / 2 V / 20 V / 200 V / 600 V
- Current range: DC 20 mA / 200 mA
AC 20 mA / 200 mA
- Resistance range: 200 Ω / 2 kΩ / 20 kΩ / 200 kΩ / 2 MΩ / 20 MΩ
- Other functions: Diode test and Continuity test.
Data storage function
- VCN mode: Non-contact voltage detection
- Category: CAT III 600 V
- Certificates: CE, RoHS
- Power supply: 2 x 1.5 V AAA batteries
- Colour: Yellow
- Dimensions: 248 x 42 x 34 mm
- Weight: 110 g

Supplied with a nylon case for transport and storage.
According with standards EN61010-1, EN61010-2-033, EN61326 and IEC 62321.

635 Multimeter CTL-600

Optical & Acoustic

High-quality digital multimeter with AC/DC current clamp and non-contact voltage detection function. Current and voltage can be measured at the same time and frequency displayed simultaneously. Includes data storage, low power indication and auto power off functions. Easy to carry and use.



Code	Ref.	Box
635310	Multimeter CTL-600	1

Technical information

- Resistance: 0 ~ 10 MΩ
- Continuity: <30 Ω
- AC current range: (40 ~ 65 Hz) 200 mA ~ 400 A
- DC current range: 400 A ~ 600 A / 300 mA ~ 600 A
- Frequency: 40 Hz - 1000 Hz
- Range: Automatic
- Other functions: Continuity test
Data storage
Backlight
VCN
Low battery indicator
Auto power off
Dual Display
- Category: CAT III 600 V
- Certificates: CE, RoHS
- Power supply: 2 x 1.5 V AAA batteries
- Weight: 250 g
- Dimensions: 187 x 65 x 38 mm
- Clamp size: 24 mm

Supplied with a nylon case for transport and storage.
According with standards EN61010-1, EN61010-2-032, EN61326 and IEC 62321.



Accessories included.

635 Professional multimeter CTL-1000 with True RMS

Optical & Acoustic

Digital AC/DC, T-RMS clamp meter with automatic and manual ranges and a VFD frequency converter.

The CTL-1000 has a large 13 mm HD display with 6000 digits and a backlight for easy reading.

It has functions for measuring AC and DC voltage, AC and DC current, resistance, capacitance, temperature, low impedance voltage, continuity and NCV (non-contact voltage detection).



Code	Ref.	Box
635360	Multimeter CTL-1000	1

Technical information

- Measurement of actual/real values
- Non-contact voltage detection (NCV)
- TDC voltage: 6 V / 60 V / 600 V / 1000 V
- AC voltage: 6 V / 60 V / 600 V / 1000 V
- Alternating Current: 60 A / 600 A / 1000 A
- Direct Current: 60 A / 600 A / 1000 A
- Resistance: 600 Ω / 6 KΩ / 60 KΩ / 600 KΩ / 6 MΩ / 60 MΩ
- Capacitance: 60 nF / 600 nF / 6 uF / 60 uF / 600 uF / 6 mF / 60 mF
- Frequency: 100 Hz / 1000 Hz / 10 KHz
- Temperature measurements: °C/°F -20 ~ 1000°C / -4 ~ 1832°F
- Continuity Test
- LowZ DC: 1000 V / AC1000 V
- DCμA: 200 μA / VFD
- Clamp Ø: 40 mm
- LED lamp
- Memory Min / Max and peak values
- Low battery indicator
- Stores relative measurement data
- Backlight
- Weight: 314.5 g
- Size: 246 × 85 × 40 mm
- Power supply: 3 × 1.5 V AAA batteries

Supplied with a nylon case for transport and storage.

According with standards EN61010-1, EN61010-2-033, EN61326, CAT III 600 V / CAT IV 1000 V



Accessories included.



635 IPR-400 Phase/Rotation Indicator

Optical

Used to check the direction of the rotating magnetic field in the three-phase system, the phase rotation and the direction of motor rotation.

The direction of motor rotation (direction of rotation) is detected by placing the IPR-400 on the motor and aligning it with the drive shaft with no need to connect any probes or cables.

A durable, lightweight and reliable device, ideal for electrical work with three-phase motors and systems. Includes different types of probes for any possible application.

Code	Ref.	Box
635320	IPR-400 Phase/Rotation Indicator	1

Technical information

- Operating voltage: 120 V ~ 400 VAC
- Current consumption: ≤ 20 mA
- Frequency range: 2 Hz ~ 400 Hz
- Non-contact rotating field indication function
- Operating temperature: 0 °C a +40 °C
- Operating altitude: 2000 m
- Category: CAT III 600 V
- Certificates: CE, RoHS
- Power supply: 3 x 1.5 V AA batteries
- Dimensions: 128 x 70 x 30 mm
- Weight: 168 g

Supplied with a nylon case for transport and storage.
According with standards EN61010-1, EN61010-2-032, EN61326 and IEC 62321.



Accessories included.



635 Digital multimeter DM-600


Optical

Portable digital multimeter with backlit LCD display which allows values to be read even in dark locations.

The whole system is based on integrated circuits, equipped with overload protection. It can be used to measure AC and DC voltage, AC and DC current, resistance, capacitance, frequency, diodes and perform continuity and NCV (non-contact voltage detection) tests.

Code	Ref.	Box
635380	Digital multimeter DM-600	1

Technical information

- Automatic range
- Display: 3 1/2 LCD
- Overload protection: PTC protection circuit is used to measure resistance and frequency
- Data storage
- Maximum measurement
- Out of range indicator: OL
- Low battery indicator: 
- Auto power off: 15 minutes. Press "HOLD/BL" to activate.
- Operating conditions: 0~40 °C (32~ 104 °F); <80% HR
- Storage conditions: -10~50 °C (14~122 °F); <70% HR
- Power supply: 1 No. 9 V battery (type 6F22, 1604A)
- Safety requirements: IEC61010-1 600 V CAT III
- Dimensions: 147:5x74x42.5 mm, approx.
- Weight: 174 g approx.

Supplied with a nylon case for transport and storage.
According with standards EN61010-1, EN61010-2-032, EN61326, IEC 62321.

635 Ground Resistance tester IER-4000

Digital

The high-performance IER-4000 ground tester is a professional device that tests the grounding resistance using the 2-pole and 3-pole methods. It also allows the grounding voltage to be pre-tested, protecting the user from dangerous voltages.

Digital



Accessories included.

Code	Ref.	Box
635340	Ground resistance tester IER-4000	1



Accessories included.

Technical information

- **Screen:** Digital LCD
- **Data storage:** 100 groups
- **Resistance ranges:** 0 Ω ~ 29.99 Ω / 30 Ω ~ 99.9 Ω / 100 Ω ~ 999 Ω / 1 kΩ ~ 4 kΩ
- **Voltage ranges:** 0 V ~ 200 V (50/60 HZ)
- **Continuity check**
- **Values:** MAX/MIN/PRO, relative measurements
- **Results recorded in memory**
- **Auto power off, display backlight and low battery indicator**
- **Category:** CAT III 600 V
- **Certificates:** CE, RoHS
- **Power supply:** 6 x 1.5 V AA batteries
- **Dimensions:** 180 x 140 x 65 mm
- **Weight:** 950 g

Supplied with a case for transport and storage.
According with standards EN61010-1, EN61010-2-032, EN61326 and IEC 62321.

635 Digital insulation tester CIT-10

Digital

Used to measure the quality of the electrical insulation of cables, motors, transformers, etc. in new installations and during both basic and specialist maintenance. It also detects DC voltage, AC voltage and performs continuity checks. Designed and manufactured to comply with the safety requirements of IEC61010-1 for electronic test instruments.



Accessories included.

Code	Ref.	Box
635390	Digital insulation tester CIT-10	1



Accessories included.

Technical information

- Display: LCD with backlight
- Resistance Range: 0.01 MΩ – 10.00 GΩ
- Insulation Tests: 50 V, 100 V, 250 V, 500 V and 1000 V
- Automatic power off to save energy
- Data storage
- Timer function for insulation test
- Lock function for insulation test
- Power supply: 6 x 1.5 V AA batteries
- Dimensions: 190 x 145 x 70 mm
- Weight: 855 g (without batteries)

Supplied with a case for transport and storage.
According with standards EN61010-1, EN61557-1, EN61326-1 CAT. III 1000V
CAT. IV 600V



635 Clamp earth resistance tester CRT-1200

Optical & Acoustic

The clamp can test grounding in hard-to-reach spaces, including indoor or fully paved areas where auxiliary test rods cannot be used. The meter can identify the resistance with no need to disconnect and reconnect the grounding installation. It is widely used in the field of electrical power distribution, telecommunications, construction and industrial electronic equipment.

Code	Ref.	Box
635370	Clamp CRT-1200	1

Technical information

- **Test voltage:** 3700 V
- **Electric clearance:** 6.5 mm (meet IEC1010 double insulation CATII 600 V)
- **Limiting overload:** 40 A RMS current
- **Mean consumption:** 50 mA
- **Range:** automatic
- **Display type:** 4 digits, 9999 counting, liquid crystal display
- **Power shortage:** display symbol
- **Power supply:** 9 V 6F22
- **Single measurement time:** 1s
- **Working temperature:** -10°C to 50°C (14°F to 122°F)
- **Storage temperature:** -20°C to 60°C (-4°F to 140°F)
- **Conductor size:** Ø 32mm
- **Dimensions:** 54 x 104 x 32 mm
- **Weight:** approximate 1050 g (include the batteries)

Supplied with a nylon case for transport and storage.

According with standards EN61010-1, EN61010-2-033, EN61326, CAT III 600 V / CAT IV 1000 V



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