



MT405EX



EX II 2 G EX ib IIB T4 Gb

NCV DETECTOR

The MT405EX is an intrinsically safe NCV Voltage Detector for use in potential explosive environment. The MT405EX is certified in accordance with the ATEX directive EX II 2 G EX ib IIB T4 Gb in Zones 1 and 2. The NCV voltage detector has a dual range, a low measuring range down to 12 volts and a high measuring range from 12V to 1000V. Suitable for outlets or against wire insulation testing, this non-contact AC Voltage Detector has a switch to turn the unit on and a Green LED indicates it is working. There is a Red LED, an audible sound as well as a vibration to indicate the presence of voltage. It has a rugged double moulded IP67 waterproof housing that can withstand a 2m drop. There is a bright built-in LED flashlight ideal for use in dimly lit areas.

Features

- 12V to 1000V detection
- Thinner probe tip for working with socket outlets
- Green LED means Power on, flashing red LED with beeper and Motor vibration, means Voltage detected
- Two modes, green indicates high voltage mode, Yellow LED 12V Mode
- Flash and beep rate increases as the detector gets closer to the voltage.
- Power On/Off with silent mode
- IP67 waterproof and withstand a 2m drop-proof

Function	Range
AC Voltage	12V - 1000V
Frequency	50/60Hz
Voltage Detector	100V -1000V Red LED audible beep
Voltage Detector	12V -1000V Yellow then Red LED audible beep
Size	160 x 23 x 25mm
Weight	55g



MT403

NCV DETECTOR

The MT403 is a Non-Contact AC Voltage detector with dual ranges, a low measuring range down to 12 volts and a high measuring range from 12V to 1000V. Suitable for outlets or against wire insulation testing, this non-contact AC Voltage Detector has a switch to turn the unit on and a Green LED indicates it is working. There is a Red LED and an audible sound to indicate the presence of voltage. It has a rugged double moulded IP67 waterproof housing that can withstand a 2m drop. There is a bright built-in LED flashlight ideal for use in dimly lit areas.

Features

- 12V to 1000V detection
- Thinner probe tip for working with socket outlets
- Green LED means Power on, flashing red LED with beeper means Voltage detected
- Two modes, green indicates high voltage mode, Yellow LED 12V Mode
- Flash and beep rate increases as the detector gets closer to the voltage.
- Power On/Off with silent mode
- IP67 waterproof and withstand a 2m drop-proof

Function	Range
AC Voltage	12V - 1000V
Frequency	50/60Hz
Voltage Detector	100V -1000V Red LED audible beep
Voltage Detector	12V -1000V Yellow then Red LED audible beep
Size	160 x 23 x 25mm
Weight	55g



MT402

NCV DETECTOR

The MT402 is ideal for checking the presence of voltage from 50V to 1000V. Suitable for outlets or against wire insulation testing, this non-contact AC Voltage Detector has a switch to turn the unit on and a Green LED indicates there is power and the batteries are ok. The Red LED and an audible sound indicates the presence of voltage. A great feature is the built-in flashlight.

Features

- 50V - 1000V AC
- Easy to use just touch the tip to an outlet or cord, when it glows red the tip will indicate there is voltage in the line
- Audible green light that indicates voltage detection is on
- Detects voltage without metallic contact
- All outer surfaces are non-conductive for safety
- Built-in LED flashlight
- Pocket size

Function	Range
AC Voltage	50V - 1000V
Frequency	50/60Hz
Voltage Detector Visual	Red LED
Voltage Detector Audible	Continuous Beep
Power On Indicator	High Intensity Green LED
Size	158 x 21 x 25mm
Weight	34g



MT401

NCV DETECTOR

The MT401 is capable of detecting the presence of live wires before testing, this pocket-size AC voltage detector features a low-profile tip that can be inserted into outlet receptacles or used to trace along wire insulation to locate breaks. This detector measures from 200 to 1000 VAC with a visual flashing red LED. It has a rugged double moulded housing, and a bright built-in LED flashlight ideal for use in dimly lit areas.

Features

- 200V - 1000V AC
- Easy-to-use just touch the tip to an outlet or cord, when it glows red, it indicates there is voltage in the line
- Detects voltage without metallic contact
- 3-Phase Indication
- All outer surfaces are non-conductive for safety
- Built-in LED flashlight
- Fits into shirt pocket for convenience

Function	Range
AC Voltage	200V - 1000V
Frequency	50/60Hz
Voltage Detector Visual	Red LED
Size	176 x 26 x 25mm
Weight	48g



MT400

NCV DETECTOR

Use MT400 to quickly check for the presence of live wires before performing any electrical testing. Suitable for outlets or against wire insulation testing, this AC Voltage Detector for non-contact detection of AC Voltage from 50 to 600V (50/60Hz). The Red LED in the tip indicates the presence of voltage.

Features

- 50V - 600V AC
- Indicates if voltage is present at plug sockets and light switches
- Ideal for industrial uses such as checking voltage on earth leakages, breakers, fuses and contactors
- Ideal for checking breaks in wires and cables
- Ideal for checking that plug sockets and light switches are earthed
- Indicates exactly where the "LIVE" phase has broken

Function	Range
AC Voltage	50V to 600V
Frequency	50/60Hz
Voltage Detector Visual	Red LED
Size	158 x 21 x 25mm
Weight	48g



AC CLAMP METERS



1000A AC CLAMP METER



TRUERMS

The MT770 is a CAT IV 600V, 6000 count True RMS 1000A AC digital clamp meter with indication on a large backlit LCD display, providing fast sampling time with high accuracy. The meter measures 1000V AC/DC, temperature, frequency, capacitance and resistance measurements, plus 100ms Inrush current and Peak Voltage value. The VFD function allows the user to measure stable voltage in high frequency applications of Variable Frequency Drives, while the Low Z range function has a low pass filter to eliminate errors caused by "Ghost" voltages. Added features include Relative mode for Capacitance Zero and DCV, ACV and ACA offset adjustment, Non-Contact voltage detection, Data hold function and a built-in flashlight for dimly lit areas. Housed in a modern double moulded rubber housing.

Features

- 6000 count backlit LCD display
- Ø33mm Cable Clamp size
- Measurement of DC voltage and AC voltage up to 1000V
- Capacitance to 100mF
- Temperature measurement from -20°C to 1000°C
- INRUSH Current Measurements
- VFD - Variable Frequency Drive voltage value
- LoZ - Low impedance mode prevents false readings due to "Ghost" voltage
- NCV - Non-Contact Voltage Detector
- Built-In Flashlight
- Continuity buzzer and Diode Test
- Peak Mode and Data Hold function
- Auto Power Off

Function	Range	Accuracy
AC Current	600.0A - 1000A	±(2.5% +8)
DC Voltage	600.0mV - 1000V	±(1.5% +2)
AC Voltage	6.000V - 1000V	±(1.5% +5)
LoZ AC Voltage	6.000V - 300V	±(3.0% +40)
Resistance	600.0Ω - 60MΩ	±(1.5% +2)
Frequency	9.999Hz - 99.99kHz	±(1.2% +5)
Capacitance	60.00nF - 100mF	±(3.0% +5)
Temperature	-20°C - 1000°C	±(3.0% +5°C)
Duty Cycle	10.0% to 90%	±(1.2% +2)
Size	230 x 66 x 44mm	
Weight	350g	



MT770

600A AC CLAMP METER



TRUERMS

The MT730 is a CAT III 600V, 6000 count True RMS 600A AC digital clamp meter with indication on a large backlit LCD display, providing fast sampling time with high accuracy. The meter measures 1000V AC/DC, temperature, frequency, capacitance and resistance measurements, plus 100ms Inrush current and Peak Voltage value. The VFD function allows the user to measure stable voltage in high frequency applications of Variable Frequency Drives. Added features include Relative mode for Capacitance Zero and DCV, ACV and ACA offset adjustment, Non-Contact voltage detection, Data hold function and a built-in flashlight for dimly lit areas. Housed in a modern double moulded rubber housing.

Features

- 6000 count backlit LCD display
- Ø33mm Cable Clamp size
- Measurement of DC voltage and AC voltage up to 1000V
- Capacitance to 100mF
- Temperature measurement from -20°C to 1000°C
- INRUSH Current Measurements
- VFD - Variable Frequency Drive voltage value
- NCV - Non-Contact Voltage Detector
- Built-In Flashlight
- Continuity buzzer and Diode Test
- Peak Mode and Data Hold function
- Auto Power Off

Function	Range	Accuracy
AC Current	60.00A - 600A	±(2.0% +8)
DC Voltage	6.000V - 1000V	±(1.0% +3)
AC Voltage	6.000V - 1000V	±(1.2% +5)
Resistance	600.0Ω - 60MΩ	±(1.5% +2)
Frequency	10Hz - 100kHz	±(1.0% +5)
Capacitance	99.00nF - 100mF	±(3.0% +5)
Temperature	-20°C - 1000°C	±(3.0% +3°C)
Duty Cycle	20.0% to 80%	±(1.2% +10)
Size	239 x 72 x 40mm	
Weight	318g	



MT730

400A AC CLAMP METER



TRUERMS

The MT720 is a CAT III 600V, 4000 count True RMS 400A AC digital clamp meter with indication on a large backlit LCD display, providing fast sampling time with high accuracy. The meter measures 1000V AC/DC, temperature, frequency, capacitance and resistance measurements, plus 100ms Inrush current and Peak Voltage value. The VFD function allows the user to measure stable voltage in high frequency applications of Variable Frequency Drives. Added features include Relative mode for Capacitance Zero and DCV, ACV and ACA offset adjustment, Non-Contact voltage detection, Data hold function and a built-in flashlight for dimly lit areas. Housed in a modern double moulded rubber housing.

Features

- 4000 count backlit LCD display
- Ø30mm Cable Clamp size
- Measurement of DC voltage and AC voltage up to 1000V
- Capacitance to 100mF
- Temperature measurement from -20°C to 1000°C
- INRUSH Current Measurements
- VFD - Variable Frequency Drive voltage value
- NCV - Non-Contact Voltage Detector
- Built-In Flashlight
- Continuity buzzer and Diode Test
- Peak Mode and Data Hold function
- Auto Power Off

Function	Range	Accuracy
AC Current	40.00A - 400A	±(2.0% +8)
DC Voltage	4.000V - 1000V	±(1.0% +3)
AC Voltage	4.000V - 1000V	±(1.2% +5)
Resistance	400.0Ω - 40MΩ	±(1.5% +2)
Frequency	10Hz - 100kHz	±(1.0% +5)
Capacitance	99.00nF - 100mF	±(3.0% +5)
Temperature	-20°C - 1000°C	±(3.0% +3°C)
Duty Cycle	20.0% to 80%	±(1.2% +10)
Size	220 x 80 x 39mm	
Weight	305g	



MT720