

# 100,000 COUNT 0.02% MULTIMETER

*Anyone concerned with calculating the tolerance of measurements will appreciate the enormous time saving that is achieved by having the new MTX3200 multimeter.*

**M**etrix of France has completely redesigned the multimeter, retaining very little existing technology! The new MTX3200 series looks different, has many innovative features but costs no more than less capable instruments!

The folding design, looking a little like a mobile phone allows the large backlit LCD screen to be angled to any position, even when attached to a belt. When closed the screen and keys are fully protected from dust, dirt and damage.

## SERIES OF TOUCH KEYS

Gone is the usual rotary switch with its mechanical contacts, the largest cause of multimeter malfunction. In its place is a series of touch keys. You simply touch the parameter you wish to measure – Volts, Amps, Hz, Ohms, Capacitance or Temperature. There is no need to specify AC or DC, the instrument will sort this out for you!

To further make life easy, the instrument will detect a lead plugged into the voltage socket and auto selects the voltage range. If resistance or capacitance is to be measured the instrument has already automatically checked that no voltage is present before making the measurement.

Gone also is the extra current socket! One current socket covers the complete range from micro amps to 20 Amps! It is even possible to measure Voltage and Current simultaneously!

The huge backlit LCD can display up to four parameters simultaneously or one parameter and a graphic display can be selected.

A new innovation is the SPEC key which displays the instruments tolerance at the value displayed. This is displayed as both the upper and lower tolerance and as % of the reading  $\pm$  the number of digits! Anyone concerned with calculating the tolerance of measurements will appreciate the enormous time saving this function provides.

A 'Preferred Measurement' key allows the user to program automatic access to their most frequently used measurement mode.

Other capabilities include:

- Duty cycle
- Pulse counting (positive & negative)
- Elapsed time
- Temperature measurement by either thermocouple or RTD
- 250 $\mu$ S peak voltage
- Crest factor
- Resistive power
- Maths functions.

## FOUR PARAMETERS SIMULTANEOUSLY

Of course a multimeter with this pedigree has a memory for up to 6,500 time/date measurements of up to 4 parameters simultaneously



## Metrix MTX series Multimeter

for periods from 1 sec to 24 hours. Values can also be transmitted over the interface to a PC as they are acquired.

### DISPLAY AND RECORD SIMULTANEOUSLY

In Survey mode the MTX will display and record simultaneously the minimum, maximum and average value of a nominated parameter as well as the time and date of the limit and the start and finish values.

Power consumption is extremely low and only 3 AA batteries are required. If the instrument is required to be powered during extended recording, there is an option for NiMH batteries with a mains adaptor and charger.

PC software is included and communication is by optically isolate USB or RS232 and Bluetooth.



Telo Probe with DMM

Longreach Probe

**THE LONGREACH PROBE**

If you didn't come from Longreach, you prefer to keep the live conductors at arms length or you are complying with regulations requiring you to maintain safe working distances, the new Telo-probe is for you!

Rated at Cat 4, 600V (Cat 3, 1000V) the Longreach Telo-probe extends from 500 to 800mm and is ideal for overhead conductors, padmount substations, switchgear or any situation where a safe working distance from live conductors is required.

The Telo-probe is fitted with a standard safety banana socket and can be used with any standard test leads provided they are also Cat 4, 600V.

The standard probe tip is angled at 45° and custom probe tips such as straight point, hook etc. can be supplied to order.

If further safety is required, an optional fuse can be added to the handle. A wide selection of fuse cartridges all with a 120kA fault clearing capacity are available. Fuses are available with current ratings up to 20Amps in either standard or ultra fast blow to protect electronic instruments.

**FLEXIBLE CURRENT PROBE**

The Rogowski Coil, commonly referred to as the Flexible Current Probe is now almost a mandatory accessory for any current measuring application and has largely replaced iron-cored current transformers.

Its unique ability to be wrapped around parallel conductors, pushed in between bunched conductors, wrapped around the largest of busbars and measuring current from a few Amps to at least 6,000A make current measurement possible where previously it was difficult or sometimes impossible!

Unlike a current transformer which is a passive device, the Rogowski coil requires a power source to power the integrator, usually by 2 x AA Alkaline batteries. Battery life of early models was limited but gradually this has increased typically to 400 hours.

New Proflex 3000-24



Fluke i3000flex

**THREE MONTHS CONTINUOUS OPERATION**

A new range of Pro-flex Rogowski Coils from ProSys of UK has increased battery life by a factor of 5 and boasts 2,000 hours of continuous operation – almost 3 months!

The Pro-flex features 3 current ranges and is available in 30, 300 & 3000A or 60, 600 & 6000A selected by a rotary switch in place of the traditional slide switch. Coil lengths are available in 600, 900 & 1200mm.

**EXTENSIVE SELECTION**

The introduction of the Pro-flex compliments Pacific Test Equipment's already extensive selection of Flexible Current Probes from AEMC, Fluke and Rocoil and offers customers the opportunity to select the best probe for their application.

*For further information please contact Pacific Test Equipment*



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