Measuresafe 36B

Operators User Guide

The MeasureSafe 36B is a simple to use RCD test unit. You simply need to setup the RCD type to be tested then select the time or current if applicable then the test slope if applicable then press "test".

Setting the RCD type

Type Press this button to cycle through the following available types for testing

- § RCD Type I medical 10mA
- § RCD Type I AS3003 testing mode
- § RCD Type II 30mA domestic industrial and commercial units
- § RCD Custom type selectable trip current from 5mA to 55mA
- § AFCI circuit testing

Setting the test Slope

Slope Press this button to toggle the testing slope on the RCD testing, not applicable for AFCI.

Slope options are

- R – Rising
- F – falling
- P – Peak
- T - Trough

Setting the test type

I Test Will cause the unit to do a current test   **T Test** Will cause the unit to do a time test

The test type will toggle on each successful test, from time to current to time etc.

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Setting Custom current for Custom setting

I Set Press this button to set the custom current. Use the up and down arrows to increase the test

current or decrease the test current then select enter ⏎ to save setting.

Setting the display time on period

You can change the amount of time the unit remains on after a successful trip, this on period allows the operator to note down the trip time or current.

Press enter key ⏎ then use the up and down arrows to increase the time period or decrease the time period. Press enter when the desired time is selected.

Start a Test

Test Press this button to start a test sequence.

Display

A typical display shows all the information that is require to know which test is being done to which type and what slope is selected, also the test number that see on the download report later.

Basic display

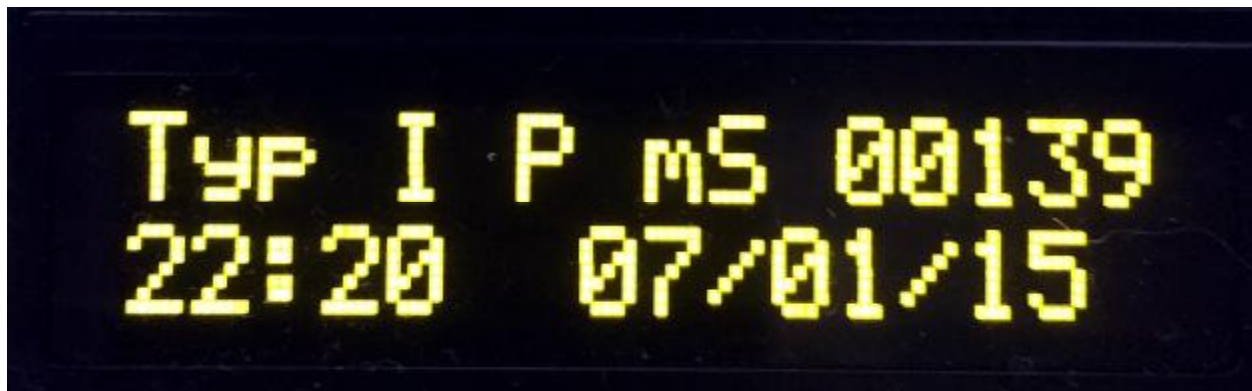RCD Type   Slope Selected   Test Type (Time in this case)   number of recorded tests

This display also shows the mains voltage and the frequency

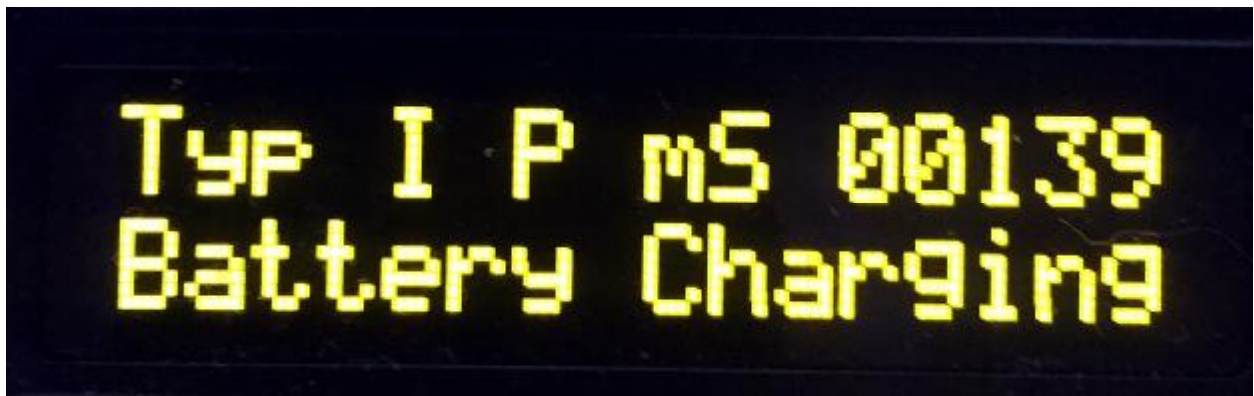The bottom line will cycle through a number of different messages.

Shows date and time.

Shows serial number

Shows total memory storage and % used.

The M36B has a small rechargeable battery to hold the unit display after the circuit trip this message shows the battery is currently charging the unit can still be used but if the display does not stay on after a trip then leave the unit on for an hour to charge the battery.

```
Typ IIP mS 00140
22:26  07/01/15
```

This shows we are testing type II and testing for time.

```
Typ C P mS 00140
22:26  07/01/15
```

This show we are testing a custom current setting and testing for time

```
RCD TypeI AS3003
AS3003 Test T 0
```

This shows we are testing a type I RCD according to the AS3003 testing requirement

```
Typ AFCI    00140
22:26  07/01/15
```

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This shows we are testing an AFCI type device.

When setting the trip on time this is the screen that will be seen.

This screen will show when setting the custom current reading.