

Joint probe headlights:

The joint probe headlights can be turned on by pressing the 'up' button () on the right side of the ExLRT display while the unit is in measurement mode. The headlights can be turned off by pressing the 'down' button () on the right side of the ExLRT display while the unit is in measurement mode.

Status & error displays:

Information about any ongoing measurements and error messages are shown in the bottom half of the display screen. Errors are also indicated by red LEDs on the ExLRT unit and the cables. Consult the display for error information if any of the LEDs turn red during any phase of measurements.

To turn the ExLRT off:

Turn off the ExLRT by holding the power button until the display goes dark.

Calibration:

The ExLRT is supplied calibrated with a one-year expiry. To view the calibration expiry date of the unit, go to:

Main menu > Information > Calibration

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Calibration Information
Calibrated: 03/02/2020
Warning: 22/02/2021
Expiry: 03/02/2021
Press< to list verified cables
```

Further information:

ExLRT Operator Manual
(Document **XLR-104**)

ExLRT Software Manual
(Document **XLR-105**)



ExLRT

Quick start guide

Before use, the ExLRT Safety Manual (Document **XLR-927**) must be read and understood.

If you are not able to obtain the ExLRT safety manual, please contact a senior member within your organisation or contact MK Test Systems.

Phone: UK and RoW: +44 1823 661100 |
US: +1 773 5693778

Email: service@mktest.com | sales@mktest.com

Web: www.mktest.com



The ExLRT is ATEX (EU), IECEx (International) and QPS (USA and Canada) certified which means that MK Test Systems ensures the safe use of the unit in potentially hazardous environments.

Certificates:

CML 19ATEX2457X
IECEx CML 19.0169X
LR1587-1

Markings:

Ex ia IIA T3 Ga
Class 1 Division 1 Group D, T3
Class 1 Zone 0, AEx ia IIA T3 Ga
Ta. -20°C to +60°C



Parts classified for use in potentially hazardous areas

Only the following items are classified for use in potentially hazardous areas. Only operate the ExLRT self-powered with no tethered power or data cable attached.

ExLRT



ExLRT Loop Cable



ExLRT Joint Cable



Battery charging:

Batteries can be charged in two different ways. A full charge will provide at least two full eight-hour shifts of normal operation

- Fast charge: Use the desktop charger. Fully charged in 2 hours.
- Trickle-charge: Directly plug the PSU into the ExLRT. Fully charged in 8 hours.

To insert the battery:

- 1) Loosen the two hex head screws on the rear of the ExLRT using the key supplied.
- 2) Slide battery latch lever to the left to release the lock. Insert the battery and slide the latch back to the right.

- 3) Close the battery door and lock in place.



To turn the ExLRT on:

Press and hold the power button for two seconds. After completing the self-test, the ExLRT will enter the home screen.



To connect the cables:

Attach the Loop and Joint cables to the ExLRT. The ExLRT will only allow measurements to be taken with verified cables (the cables that were used during the calibration) and will display the calibrated icon on the front screen.



Attaching cables to the unit under test (UUT)

Attach the drive coupler (red stripe on the plastic handle) and sense coupler (blue stripe on the plastic handle) to the locations prescribed in your test instructions.

Executing a loop test

The ExLRT is set-up for continuous mode for first use. Simply press the “Start” button as shown to start measurement.



You will see the loop measurement displayed in the upper left portion of the display. The loop LED will show as amber (orange) for successful measurements.

Executing a joint test

Touch the tips of the joint probes to the UUT. The ExLRT will automatically sense that the probes have come in contact with the UUT and will initiate a measurement.



Whilst the probes are in contact with the UUT, the joint LED will turn amber and the joint measurement will be shown. Lift off to latch the joint value on the screen.