

**Group3**

# RIU-800

**Remote Interface Unit Kit**

Interface upgrade for DTM-151-S Digital Teslameter



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## Product Description

Upgrade your existing \*DTM-151-S (with software version 7.1 only) with this Remote Interface Unit package and be able to do remote operation/monitoring, data logging and much more. This is extremely handy if you are in a high voltage environment and there is a need to be away from the sample yet would like to monitor real-time your field measurements. This set-up would also require a temperature compensated Group3 hall probe such as an MPT-141, MPT-231, LPT-141 or LPT-231.

This interface unit connects via the serial output of your existing DTM-151-S model teslameter and coupled with a Group3 FTR using simplex fibre optic cables. It's basically an extension of your display plus more features at your fingertips.

This is a very convenient accessory for users that would like to operate their teslameter away from the magnet or sample being measured.

Take advantage of its data logging capability where user can now do their data gathering on the DTM itself and saves the output CSV file on to an external memory drive such as a USB drive or hard disk. This eliminates the need for a separate computer terminal and software to do a data log of a session such as field mapping of a magnet.

Also, a useful feature is the Graph function. Users can see the behaviour of a session instead of just looking at the field reading. The graphical display lets the user monitor visually if there are sudden or abrupt changes in the field over a period. The time and field range are configurable depending on the user's preferences.

Lastly, with this upgrade, your DTM-151-S can now be monitored and controlled over a network, thanks to the built –in Ethernet connectivity and our custom-built LabView VI (supplied) that can be installed via a Windows PC. Applications such as synching the timing of a robot arm when mapping the field of a magnet makes this an important and useful feature.

## Features and Specifications

- Touch Screen Interface
- Easy Access Control
- Graphical Display, Field versus Time
- Visual monitoring of out of range readings, settable range
- 1.0 $\mu$ T Resolution with MPT-141 or LPT-141
- Multiple Session Data Log and CSV file saved to USB memory
- Mountable to 19" Standard Rack Panel
- Ethernet communication
- Supplied with custom-built LabView VI for external monitoring

**\*NOTE:** DTM-151-S not included in package. To use this upgrade kit, your DTM-151-S unit must have the latest 7.1 software version. If your unit software version is not up to date, we will include the upgrade chip together with the kit.

### HOME TAB



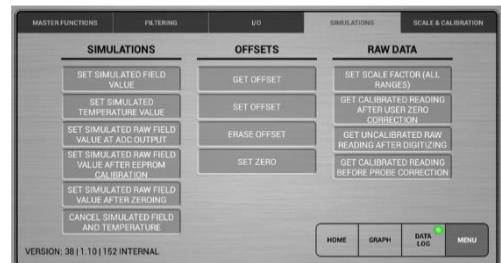
### GRAPH TAB



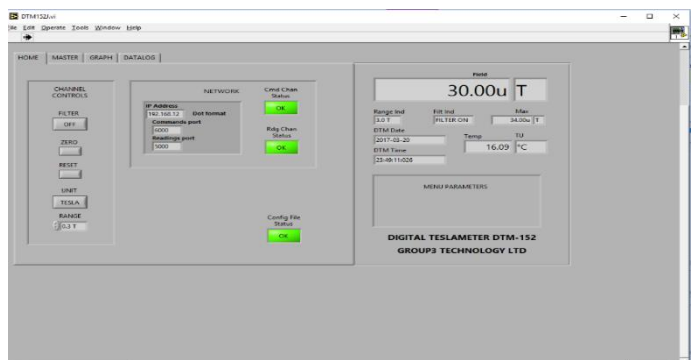
### DATA LOG



### MENU TAB



### LABVIEW VI Screenshot



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V7.2 01 October 2018