

DataLogger® DL3

Quick Reference Card

Connect Pressure Transducer to Fusion Machine with a proper hydraulic quick disconnect.

Multifunction Switch

1. Turns on the DataLogger® if it is off (both LED's off). Once turned on, the DataLogger® will remain on for 2 minutes if there is no communication activity. Otherwise, the DataLogger® will stay on as long as there is communication between it and a Recon. Every time this switch is pressed, it adds another 2 minutes to the on time.
2. Takes temperature reading if the DataLogger® is on but not in data logging mode. For as long as this switch is held, the temperature will be displayed on the Recon screen.
3. Stops logging if the DataLogger® is in data logging mode. This switch must be held for longer than 3 seconds to turn off logging.

Note: The DataLogger® turns itself off, therefore, it does not have an OFF switch.

LED's

Solid Orange LED on DataLogger® indicates it is initializing.

Flashing Green LED on the DataLogger® indicates it is operating normally.

Flashing Red LED on the DataLogger® indicates it is logging data. Holding the DataLogger® button for 3 seconds stops logging.

Wired

Flashing Blue LED indicates Wired DataLogger is communicating with Recon.

Wireless

Flashing Blue LED indicates Bluetooth® radio is in standby mode.

Solid Blue LED indicates DataLogger® is communicating with Recon.

Recon

Turn on the Recon by pressing the Power button. Turn on the DataLogger® by pushing the multifunction switch.

Turn off the Recon by pressing the Power button if it is on. Note: it is best to disconnect (or stop communications) between the Recon and DataLogger® before turning off the Recon. The DataLogger® cannot be turned off, especially while logging data. The DataLogger® will automatically turn itself off if not logging data or 2 minutes elapsed since the Recon last communicated with it.

Reset: To reset a Recon, hold down the Power button for 5 seconds

Date and Time: To set date and time: Tap **Start > Settings**. Tap the **System** tab. Tap **Clock & Alarms**. Select the respective time and date field by tapping on it and adjust the values accordingly. For example to change the hour field, tap on it and then use the up and down arrow keys to adjust the number up or down. [For more details, refer to the **Setting Time and Date** section in the operator's manual to check and set the correct date and time. It is **very important** to set the correct time and date because **joint reports are time stamped using the Recon's clock.**]

Setup to Log Data

Tap **Start > Programs > McElroy DL3-PCC**, then **Menu > Log/Status**.

In the **Log/Status** dialog box, tap **Setup...** to begin entering information for the next joint. A series of dialog boxes will prompt you to enter the information one step at a time.

If **SDR** or **DR** is unknown, measure the actual wall thickness and select **WT**.

Enter interfacial pressures and the Recon automatically calculates the corresponding carriage pressures.

Drag pressure must be entered for each fusion cycle. See fusion machine's operations manual for measuring drag. Enter the measured drag pressure and tab **Next**. If you tab **Next** without entering a value, the default drag value of 30 psi will be added by the DataLogger®.

Set the carriage pressures according to the recommended gauge pressures.

Measure **heater temperature** by holding the top of the DataLogger® about 4 inches from the heater plate and perpendicular to the heater plate, pointing the temperature sensor at the heater plate. Press and hold the DataLogger® multifunction switch to turn on the guidance lasers. Adjust the distance between the DataLogger® and the heater plate until the two laser beams converge to a single point. Use the Recon screen to read the temperature. Once the temperature is stable, release the DataLogger® multifunction switch to record the temperature. The temperature box flashes * **Log xxx°F** to indicate the recorded temperature.

Log Data

The pipes should be faced off and aligned. Open the carriage and place the heater on the guide rods between the faced pipe ends.

Tab the **Start** button and wait till the stopwatch appears at the bottom of the Recon screen.

Close the carriage to bring the pipe ends against the heater and follow the proper shift sequence on the fusion unit and the pipe manufacturer's recommendations for fusing pipe.

To conserve Recon battery, you may exit the **Log/Status** dialog box by tapping the **X** at the top right hand corner and then turn off the Recon. You may turn on the Recon and reconnect to the DataLogger® at any time or near the end of the fusion process.

At the end of the fusion process, stop logging before opening the carriage or changing pressures. To stop logging, press and hold the DataLogger® multifunction switch for over 3 seconds or from the Recon.

The recorded joint report will be transfer to the Recon automatically at the end of each joint when the Recon is connected to the DataLogger®. The latest report appears on the screen for review.

Recommended Precautions

Fully charge the Recon before each use for optimal battery performance. Stop communications and then turn off the Recon whenever monitoring is not necessary.

Make copies of the reports on a PC or print out hard copies to prevent data loss.

For more complete details of the DataLogger® see the operator's manual or call your McElroy Manufacturing, Inc. distributor.



The leader by design.

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