



DLM-B SERIES

www.decade.co.uk

DECADE

The Decade DLM-B is a very competitively priced compact load monitor designed to offer **comprehensive load protection to power presses**. Packed with features and easy to use, the DLM sets the standard.

DLM-B Features

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- Displays peak load measured through each stroke
- Large easy to read LED display
- 'Teach' button quickly sets tool load limits in one press
- Checks for overload and underload conditions
- Press capacity limit & optional tooling limit protection
- Hard-hit counter
- Key access to set-points and fault reset



DLM-B Operation

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The DLM **measures the dynamic force signal** generated by piezoelectric transducers mounted either on the press frame or con-rods. This signal is then checked against a maximum and minimum load value. If the signal then exceeds these limits a *fault is detected and the press is stopped*. The fixed Press Capacity limit gives **protection** to the press event when the DLM unit is in 'Bypass' mode.



TEACH Mode

TEACH Mode is used to set the **minimum and maximum limits** using the current tool load. Once TEACH Mode is selected and the press has begun running, the DLM sets the min and max load limits *automatically* after a set number of strokes.



LED Display

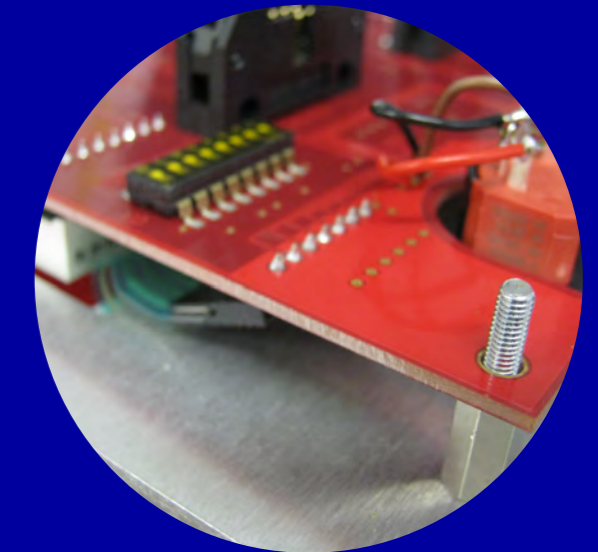
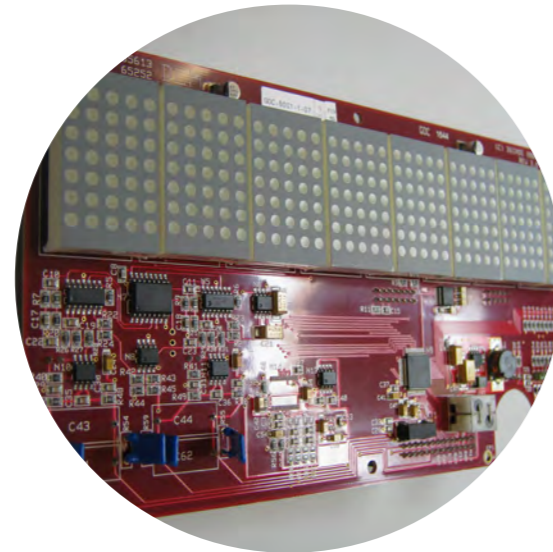
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The display is **clear and easy to read** even in bright conditions. The 3 cm high digits clearly show either Total Load, Left/Right Load or a dynamic bar graph.



Soft-Start Function

This function automatically **opens-up the minimum and maximum limits** when the press stops. Upon re-starting the limits are then gradually closed back to their *original values*. This allows tighter limit setting when the press is running giving **better press protection**.



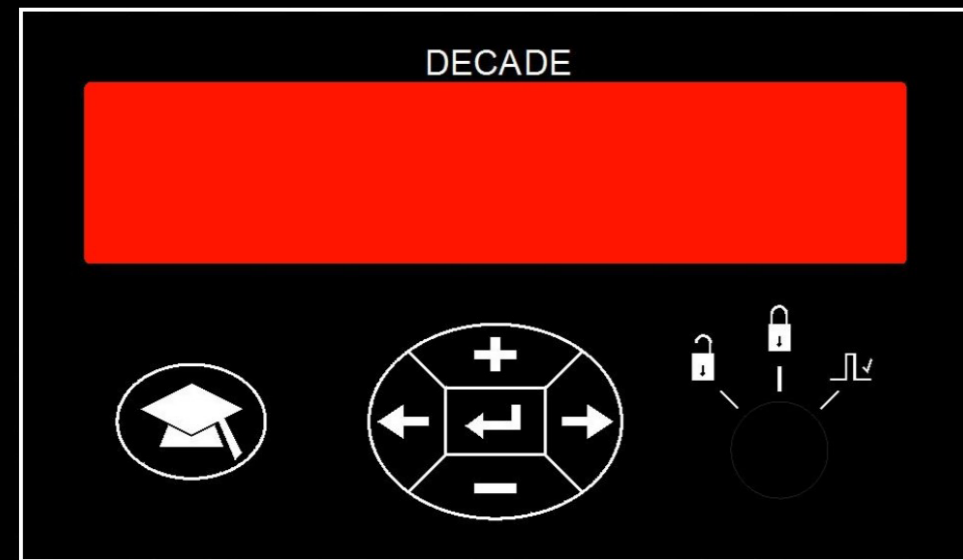
Bypass Input

This can be used to turn off the minimum and maximum limits during **any job**. Regardless, the Press Capacity Limit is *constantly and automatically checked*.

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Remote Reset

Fault conditions can be reset **remotely**.



DLM-B Link

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Connect the DLM to DLM Link PC software for simple configuration, backup and restore functionality. View sensor output and load curves in real-time. Software is provided at no additional charge.

DLM Specifications:

- Power Supply Requirements: Universal 85-264V ac, 12 VA
- Load Transducers: Decade Piezoelectric (single or double, left-right, channel)
- Press Top-Stop Relay: DPCO Contacts rated at 8A @ 240v
- Digital Input Signals: CAM, Soft-Start, Bypass & Reset. 12-24v dc (NpN or PnP)
- Press Speed Operating Range: Single-Stroke up to 750 SPM
- Load Display Range: From 10 to 3000 (Tonnes)
- Display Resolution: 0.1 up to 150 (Tonne) 1.0 above 150 (Tonne)
- Load Calibration: Electronic, no mechanical adjustment
- Setup & Calibration Memory: On-board Flash memory
- Processor: 16 Bit RISC with 12 bit ADC
- Ports: 1 x RS232 for backup and restore of setup data
- Underload Monitor: Requires external CAM signal (230 degrees on)
- Enclosure: Tough, aluminium enclosure with rear opening door
- Unit Weight : 1.3 kg

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PROBLEMS TODAY TO
ENGINEER A BETTER FUTURE**

Thank You

For any enquiries please call us on **+44 (0)121 359 3978** or
email us at **info@decade.co.uk**