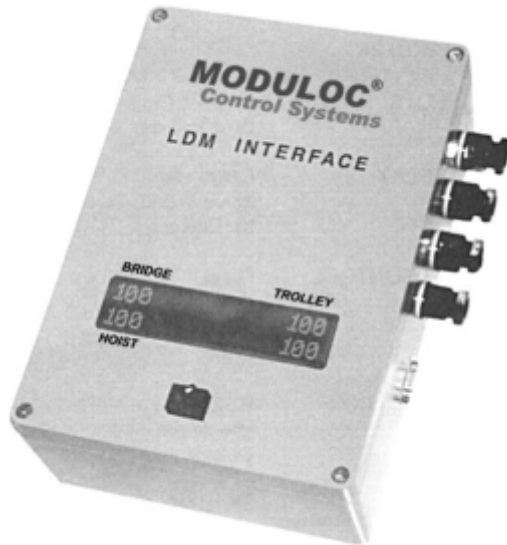




LDCP-4000 CRANE LDM INTERFACE DISPLAY



- **Designed to Communicate with up to 3 ELDP Laser Distance Meters.**
- **Powerful CPU for multi-tasking.**
- **Large vacuum fluorescent display of LDM measurement.**
- **RS232 Interface for communication to host computer.**
- **Single Data Transmission String of Laser Distance Measurements.**
- **Compact design for mounting in Crane Operator's Cab.**

Features

- 1 - 3 ELDP LDM Serial Data Inputs
- 1 - 3 digital inputs
- Robust compact industrial design
- Large Digital Display of LDM Measurement
- Display is updated twice per second
- Serial output to host computer of LDM Measurements and digital inputs.
- Standard Host Interface: RS232
- Optional Network Interface: PROFIBUS DP

Designed to work with the following ELDP LDM's

Product Family

Measurement Ranges

- | | |
|------------------|---|
| • ELDP10 | Off a reflector panel up to 80M
Off natural surfaces up to 7.5M* |
| • MDHD100 | Off a reflector panel up to 800M
Off natural surfaces up to 70M* |
| • MDHD600 | Off a reflector panel at 600M.
Off prism reflectors at 800M.
Off glass prism reflectors at 1200M. |

*Grey surface range. White plus 50%, Black less 50% (approx.)

Typical Applications

- | | |
|--------------------------|--|
| Crane Control | Positioning of cranes & crane trolleys on X, Y and Z axis. |
| Material Handling | Automated storage handling & transfer vehicles. |

LDCP-4000 Description

The LDCP-4000 Crane Interface LDM Display is a powerful CPU engineered to provide convenient operation and communication between the Moduloc ELDP & MDHD family of Digital Laser Distance Meters and other digital inputs on an overhead traveling crane and the crane operator's cab.

The CPU automatically energizes the ELDP & MDHD LDM's, interrogates their functional state and then displays the individual measured distances from the serial output from each LDM. These serial outputs, as well as the separate digital inputs are then combined into one data string for connection to a host computer using the RS232 Host Interface.

The RS232 Host Interface provides communication with the LDM/s and allows for adjustment of the LDM's functions via straightforward ASCII commands. This interface also allows for remote calibration and fault finding of the individual LDM's.

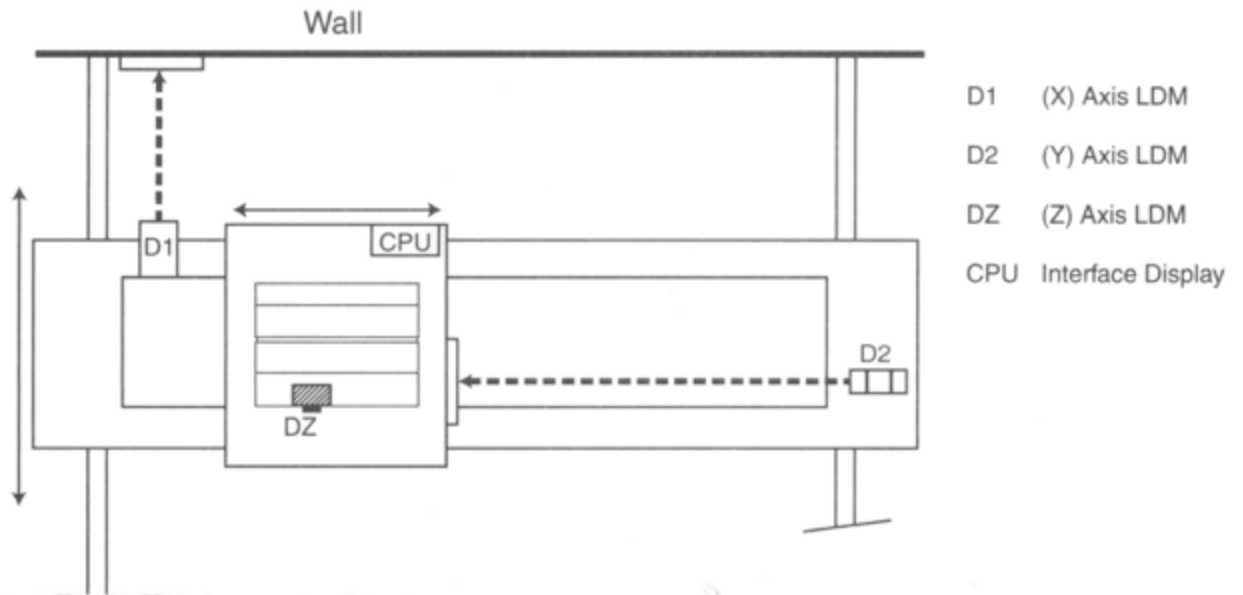
MODULOC[®] Technology - The Total Laser Solution

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Technical Info

Serial Inputs	1 - 3 ELDP LDM Serial Data Inputs
Digital Display	Large vacuum fluorescent green dual line for display of X, Y & Z axis in mm - values configurable and digital input states.
ELDP LDM Control	On power-up: Automatically switches on each LDM and interrogates their functional state.
Standard Host Interface:	RS232: Output from each ELDP & MDHD LDM is assimilated along with digital inputs into a single data string. Error messages from LDM's is also outputted. Baud Rate: Adjustable from 2400 to 9600 baud. Communication with individual LDM for adjustment of the LDM's functions as well as remote interrogation, calibration and fault finding.
Optional Host Interface	PROFIBUS DP
ELDP LDM Relative Accuracy (Repeatability/Min. update rate)	1.5 - 4 mm over 0 - 600 M range according to ELDP model.
Output Rate	Update twice per second.
Power Input	80 - 260 VAC, 50/60 HZ switched mode power supply.
Power Output	24 VDC for connection up to 3 ELDP or MDHD LDM's
Enclosure	Aluminum Housing, IP65 (watertight), Dimensions: 330 mm H x 230 mm W x 110 mm D
Temperature Range	-10°C - +60°C

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Your Local Sales Representative:

We reserve the right to alter specifications without prior notice. Specifications without tolerances are typical values.



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