



LDCP-4000 Crane CPU HMI Display for Laser Position Control

- ◆ Connects upto 3 Laser Distance Meters (LDM) for X, Y and Z Axis position display
- ◆ Combines the multiple LDM serial outputs into single data stream for straight-forward connection to Crane PC
- ◆ Large illuminated display for pulpit operator
- ◆ Wall mounting robust housing



Designed to work with the following LDMs:

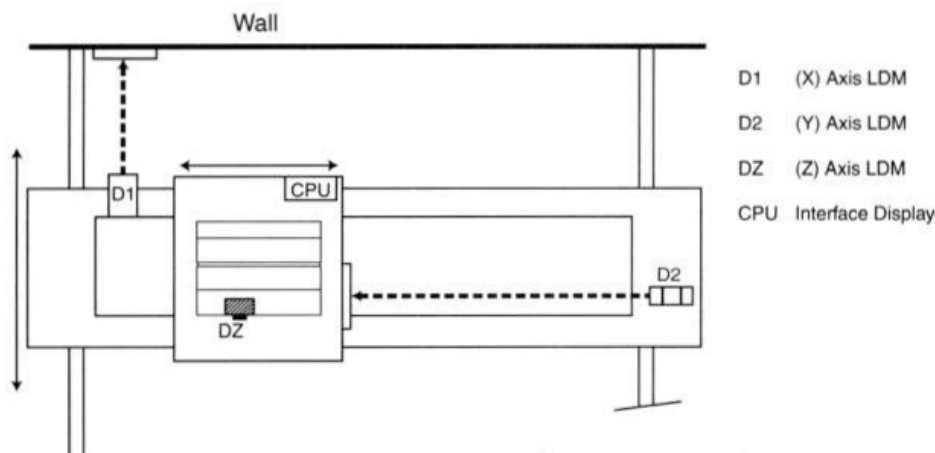
- MD1000-D-R - Off a Reflector Panel upto 600M
- MD1000-D-T - Off natural surfaces upto 30M

This LDM HMI Display is a powerful CPU engineered to provide convenient operation and communication between multiple Laser Distance Meters that provide positional input on the cranes position.

The CPU automatically energises the LDMs, interrogates their functional state and then displays the individual measured distances from the serial output from each LDM. Furthermore, these serial outputs, as well as the separate digital outputs are then combined into one RS422 data string for connection to the pulpit PC via a single D serial connector enabling off-the-shelf low cost PC to be implemented for real time storage control in the whole house.

Communication and adjustment of the LDM functions is straight-forward. Where provided with modern connection this facilitates remote calibration and fault finding.

Designed for use with our powerful MD1000-D Class I ToF Laser Distance Meters, this HMI display provides the crane operator with real time control of the cranes position as well as enabling sophisticated storage control at minimal cost.



MODULOC[®] Technology - The Total Laser Solution
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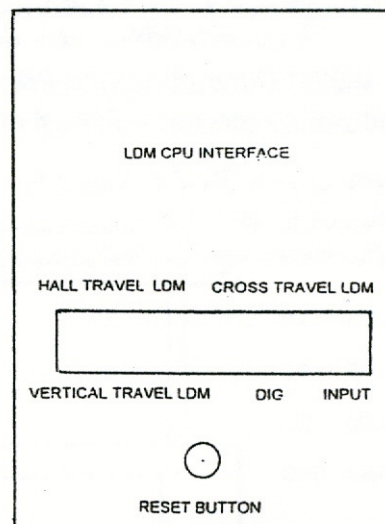
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LDCP-4000 Crane CPU

INPUTS:	A) Three LDM serial data inputs
DISPLAY:	Large Vacuum—Dual line fluorescent green displaying: A) X, Y and Z Axis's in mms—values configurable B) Digital inputs states
LDM CONTROL:	On power-up, automatically switches on LDMs and takes readings twice per sec. LDM operational parameters set via ASCII commands
SERIAL LINK:	RS422 serial link assimilating output from LDM's and digital outputs into single data string via "D" connector. Default settings 9600 Baud—adjustable to 2400 baud
MODEM OPTION:	Enables interrogation/calibration of LDM's and fault finding
LDM ACCURACY:	1-30mm over 100-600 metre range according to LDM model
OUTPUT RATE:	Updated twice per second.
POWER SUPPLY:	24 VDC & 80-260 VAC via switched mode supply with reset button interrupting power supply to LDMs

Housing

Painted IP65 watertight aluminium enclosure
Dimensions: 330mm(H) x 230mm (W) x 110mm(D)
Mounting Centres: 170mm x 310mms (M6)



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Control Systems

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

Your Local Sales Representative:

