



ODL LASER DATA TRANSMITTERS

- Dual simultaneous frequency data transmission security.
- High capacity/speed of 300 bit/s - 22 Mbit/s at 19.2 Kbaud
- Wide 26/52m.rad transmission - 1/2m at 100 mtrs.
- RS422, INTERBUS & PROFIBUS interface options
- LAN-Bridge option for Ethernet connection
- Capacity 2/4 times radio transmission
- Class I Laser, yet 200-500 mtr. range



ODL 2500 illustrated

- Data transfer between cranes & ground
- Data transfer for stockroom control
- Continuous point-to-point communication
- Operate independent of data protocol
- No licensing or electromagnetic interference
- Robust - Operate in severe environment

General Description

Ideal alternative to cable & radio transmission data transfer systems. The ODL LDT's are robust Laser Data Transmission devices specifically developed for heavy industrial use over long ranges. Laser transmission has none of electromagnetic difficulties associated with radio transmission and provides greater flexibility in use. Secure and reliable transmission in duplex form is assured with in-built continuous self-check of the system function.

Where the optics become heavily contaminated and little energy left in hand, on the Model 2500 an automatic secondary alarm is provided to ensure data transmission is not interrupted.

Operating Technique

These Laser Transmission devices operate via FSK modulation, the transmitter converting the electronic data into laser signals via the laser diode and the Receiver converting the modulated laser signal back to electronic data.

To ensure complete signal integrity the data is transmitted in coded dual frequency. As a result of this dual transmission frequency, external influences, such as reflections and other optical influences do not influence the laser transmission

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Moduloc Technology - The Total Laser Solution

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