



BR22 Laser Distance Meter Interface Controller



- **Universal CPU/Controller for operating 1 or 2 Laser Distance Meters.**
- **Microprocessor based and programmed to meet specialized requirements.**
- **Supplies required 24 VDC power to LDMS**
- **Automatically starts the Laser Distance Meters at power on.**
- **Local Keypad and LCD Menu Display**
- **Programmable output relay.**
- **Flash memory for special applications**
- **RS422 & RS485 Serial Interface**
- **Programmable Analog Output**
- **Robust cast aluminum housing rated IP65.**

General Description

The BR22 Laser Interface provides a localized LCD display of distance measurement and programming of the laser operational parameters via keypad operation and a user-friendly menu. The standard BR22 operates from 90 - 240 VAC supply and provides the required DC power to the laser.

The BR22 communicates to the laser via an RS422 Serial Interface to accommodate long cable runs. When powered on the BR22 automatically starts and programs the laser to configured operational parameters. The BR22 provides a 4-20 mA analog output of the laser distance measurement as well as RS232 & RS422 serial interfaces. The BR22 has a relay output with adjustable threshold for product presence. Parameters for the BR22's analog output, host serial interface and relay output as well as for the laser are configured using the keypad and are displayed via a menu on the BR22 LCD display.

The BR22 is housed in an IP65 rated painted aluminum enclosure and can be placed directly on the mill floor. The operating temperature range is -10°C to +50°C.

The BR22 is available in several configurations, for operation of 1 or 2 lasers, for product length, thickness or width measurement, and for positioning control. The Model No. BR22-DB is available with a supply voltage of 24VDC $\pm 20\%$.

MODULOC[®] Technology - The Total Laser Solution

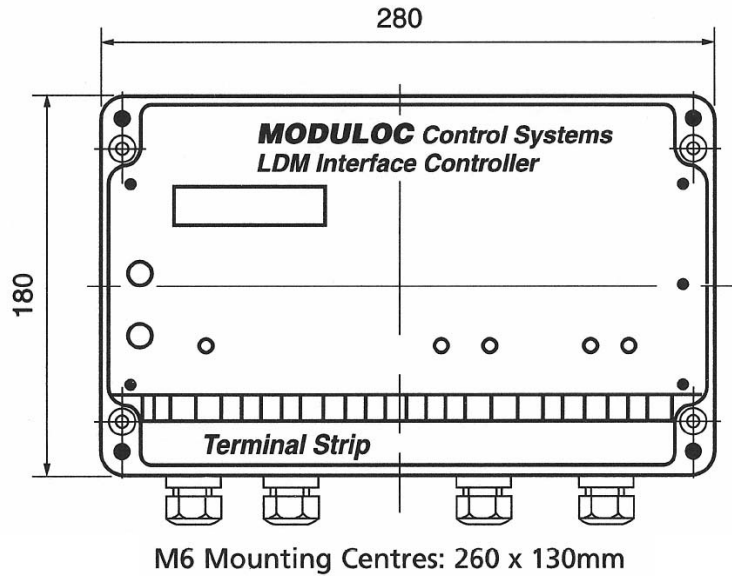
Housing Specifications

Housing: Aluminum AL6, Oven baked blue paint

Housing Rating: IEC IP65

Weight: 5 Kg

BR22 Dimensions



General Specifications

LCD Display	2 Line x 16 character alpha-numeric	Supply Voltage	90 to 264VAC-1-50/60HZ, Optional 24VDC $\pm 20\%$.
4-Button Keypad	Up - Down - Enter - Exit	Power Consumption	5 Watt
Power Indication:	Yellow LED	Operating Temperature	-10°C - +50°C
LDM Power Indication:	Yellow LED	Storage Temperature	-20°C - +70°C
Threshold Relay Activated Indication:	Red LED	Programmable Threshold Relay	Relay Output, Form C Contact (SPNO/ SPNC) 250 VAC, 8A 20 mSec response time
LDM TX Indication:	Green LED	LDM Serial Interface & Power Supply Connection	RS422/RS485 via Terminal Block 24VDC Via Terminal Block, Optional 2nd interface for second LDM
LDM RX Indication:	Red LED		
PC/PLC TX Indication:	Green LED	PC/PLC Serial Interface	RS422/RS485 via Terminal Block or RS232C via , DB-9 Male Connector, (2400 - 38,400 baud)
PC/PLC RX Indication:	Red LED		
Communication Protocol	Half Duplex via ASCII codes.	Analog Output	Programmable 4-20mA, 16 BIT (0.15%) with 500 ohm load.
Programming	Via Hyper-terminal		

MODULOC[®] Technology - The Total Laser Solution

MODULOC[®]
Control Systems

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

Your Local Sales Representative:



Bulletin MC-BR22-08-01
January 2008