



ODS Blue-Line 165 / 215 / 265

Laser / Optical Distance Meter

Using Advanced Laser Technique, Line Scan Camera and Digital Signal Processing. Laser OFF and ON and Output Frequency can be controlled via serial interface. The sensor can be programmed to output a moving averaged value, calculated over a stored number of measuring points with suppression of zero/error values.



Specifications

Measurement data

| | |
|------------------------|----------------------------|
| Measuring range | 100 / 200 / 300 mm |
| Midpoint distance | 165 / 215 / 265 mm |
| Resolution | 0,01 / 0,05 / 0,08 mm |
| Linearity | $< \pm 0,15$ % of FS |
| Measuring frequency | 1000 Hz |
| Output frequency SW | selectable 10-1000 Hz |
| Temperature deviation | $\pm 0,03$ % of FS / °C |
| Light source | Visible laser (670nm) |
| Size of light spot | $\varnothing 1 / 2 / 2$ mm |
| Laser protection class | IEC 2 |

Environment data

| | |
|---------------------------|---------------|
| Operating temperature | 0 - + 45 °C |
| Storage temperature | -20 - + 70 °C |
| Humidity (non condensing) | Max 90 % RH |
| Degree of protection | EC IP65 |

Output data

| | |
|-------------------------|-------------------------|
| Digital output | Serial RS232C interface |
| Baud rate | 38400 |
| Analog / Current output | 4-20 mA |
| Centre indication | Green LED |
| Error indication | Red LED |

Electrical data

| | |
|-------------------|-------------------|
| Supply voltage | 24 VDC ± 10 % |
| Power consumption | < 4.5 W |

Physical data

| | |
|------------|-------------------|
| Dimensions | 142 x 155 x 52 mm |
| Weight | 1.600 g |
| Housing | Aluminium |

Specifications subject to change without notice.

Dimensions

