

# ODS Blue-Line 165/215/265/350

## 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 / 400 mm  
Midpoint distance 165 / 215 / 265 / 350 mm  
Resolution 0.01 / 0.04 / 0.06 / 0.10 mm  
Static measurement on white paper at 1 kHz. Can be improved by sensor averaging  
Linearity  $\pm 0.1 / \pm 0.2 / \pm 0.3 / \pm 0.4$  mm  
Measuring frequency 1000 Hz  
Output frequency SW selectable 10-1000 Hz  
Temperature deviation  $\pm 0.03\%$  of FS / °C  
Light source Visible laser (650 nm)  
Size of light spot  $\varnothing 1 / 1\frac{1}{2} / 2 / 3$  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

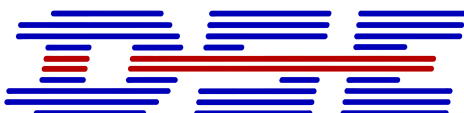
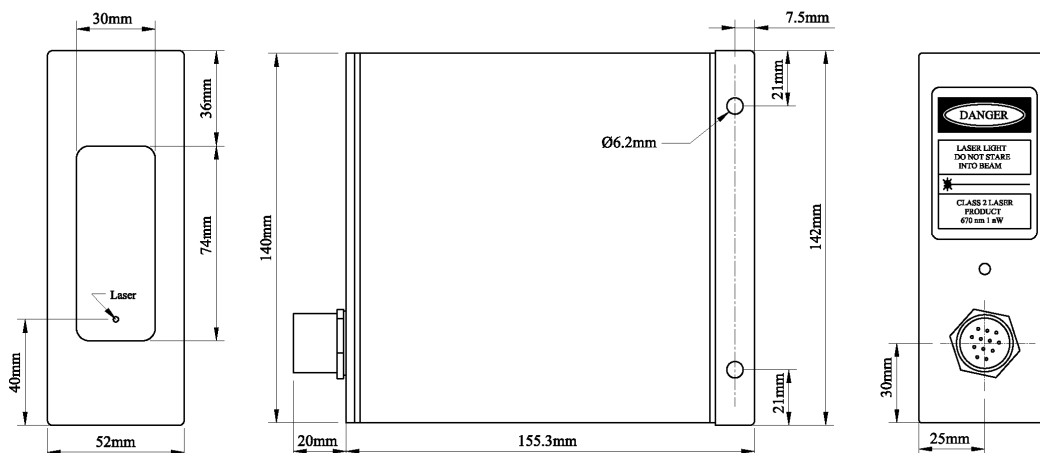
Supply voltage 22 - 36 VDC  
Power consumption < 4.5 W

### Physical data

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

November 2009; Specifications subject to change without notice.

## Dimensions



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