

Optical Speed Sensor with Analogue Output VLS/DA1

General Features

The new VLS/DA1 Optical Sensor with integral Digital/Analogue converter, is designed for data-logging applications and where general speed monitoring of machines is required, it is particularly useful for monitoring & recording speed data.

The high speed update time of this unit makes ideal for monitoring rapid variations in speed.

Optional Accessories

A range of mounting devices is available for use with these sensors: brackets, clamps, short focus lens for high speed, small shafts.

Special configurations are available to suit clients requirements, we specialise in providing OEM versions customised to clients specific needs.

Key Features

- Rapid response to speed change – output is updated once per rev
- Linear voltage vs speed output
- Wide angle of incidence +/- 80 deg
- On target indicator standard
- Contact Adaptor available
- Easy installation
- Rugged Glass filled nylon housing
- Mounting brackets available

General Specification

Optical range	25 - 1000mm (2000mm Laser)
Optical angle	+/- 45% (+/- 80 deg Laser)
Light Sources	Minilamp or Red spot Laser
Speed Ranges	range 1 - 50 - 6,000 rpm range 2 - 50 - 60,000 rpm
Analogue Output	0 - 6vdc (both ranges)
Accuracy	+/- 0.75%
Output Update Rate	Once per rev
On Target Indicator	Standard Green LED
Power Requirements	Laser model 7-15vdc 5 vdc Non-Laser model
Connections	5 core cable 2m long
Dimensions	Length 13 cm x Dia 3.4cm



Laser Model Shown

Order Codes	Description
Non Laser Version	VLS/DA1
Laser Version	VLS/DA1/LSR

Optional mounting bracket for tripod or fixed mounting of plain body version of MiniVLS

Order code: MVLS-BR1 Mounting Bracket (plain housing sensor)