

Mobile Conveyor Belt Speed/Length Measurement



Product overview

The Mobile Conveyor Belt Speed & Length Measurement system can effectively monitor the speed and Length of any conveyor system.

The system utilises state of the art Doppler & laser technologies to effortlessly monitor any surface the system encounters.

The mobile configuration allows for a quick set up and ultimately a speedy review of both the actual speed and length of your conveyor systems.

The increased standoff from the system (1200mm) provides for additional protection against unauthorised / unwarranted contact with any moving parts.

Key Features

1. Design.

The system is designed to sit within a single ruggedised carry case for quick deployment and storage.

2. Convenient installation.

Set up of the equipment takes less than 15 mins under normal conditions.

3. Simple operation.

Upon successful setup the system is operated in manual mode using on-board control functions or if required laptop software.

4. Reliable protection & Safety.

The equipment is rated IP67 in all configurations.

5. Real-time display.

The current conveyor belt speed and length are all displayed in real time.

6. Accurate speed & distance measurement.

Doppler Laser technologies allow for increased accuracy and is capable of mm accuracy.

SPECIFICATION		
Performance Parameter	Stand-off distance	1200 mm
	Depth of field	120 mm
	Belt Speed	0 – 10000 m/min
	Weight	3 Kg
	Length	230 mm
	Width	130 mm
	Height	75 mm
	Protection Rating	IP67
	Accuracy	0.05 %
	Repeatability	0.02 %
	Internal Measurement rate	100 KHz
	Measurement Output Interval	40 µs
	Laser Spot Size	3 mm
Work Environment	Environment Temperature	0 C + 45 C
	Humidity	<95%
	Atmospheric Pressure	86 – 106KPa
Electrical Environment	Supply Voltage	240 AC
	Input Operating Current	24
	Consumed Power	20 W