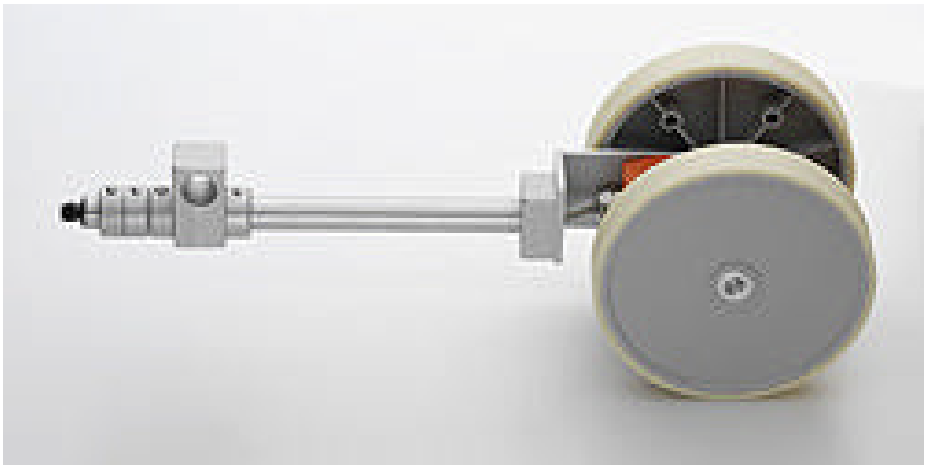
Wheel Pulse Transmitters A1L04B… and A1L05B…



wheel pulse transmitter A1L05B500

Application Characteristics

- Run on a web or a roll surface or similar, the wheel pulser detects its motion and transmits a pulse train to a meter, or totalizer of our series 124 or 724. These will convert this signal into a speed display, into analogue or data values, or use it for automatic length control.
- Providing 1000 pulses per meter, thus resulting in fast response and high resolution of control.
- Speed range from zero up to 3000 m/min.
- Easy installation, prepared to use a supporting rod, thus resting on the surface by its natural weight.
- Protection grade IP54 for use in a non aggressive environment.

Connection

By plug-in socket at the rear end.
Fits our ready made signal cables L3A22 BO to all our units for permanent installation, available with any required length.
Alternatively, the connector Bi4F/01 may be used.
Pin Nos:

(1) = supply
(2) = open (spare for 2nd trace, if provided)
(3) = common zero
(4) = signal

To connect to our portables use ready cable L3A25BP.

Specifications

Maximum Speed	1200 m/min with model A1L04B200 3000 m/min with model A1L05B500
Resolution	1000 pulses per meter
Accuracy	± 0.5 % (clean wheels presumed)
Allow. Temperature	0 … + 50 °C (30… 125 °F)
Output	square wave pulse (1 trace only) level = supply minus 2 volts. Load up to 20 ma
Supply	+ 10… 30 v DC / 20 ma + load

Dimensions

Model No	A1L04B200	A1L05B500
wheel circumference	200 ± 1mm	500 ± 2 mm
wheel diameter	~ 63,7 mm	~ 159,1 mm
outer wheel distance	70 mm	136 mm
required support rod Ø	20 mm	20 mm
adjustable distance from web to supporting rod	120 …310 mm	230..420mm

Positioning

Wheel should rest on a supporting surface by its own weight, and be pulled (not pushed) by the moving surface.

Ordering information

Model No (above) plus required cable length (or plug only).
For use with the hand-held tachometer C118 add suffix **-5V** to model No to mark the special 5 volts supply necessary.

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