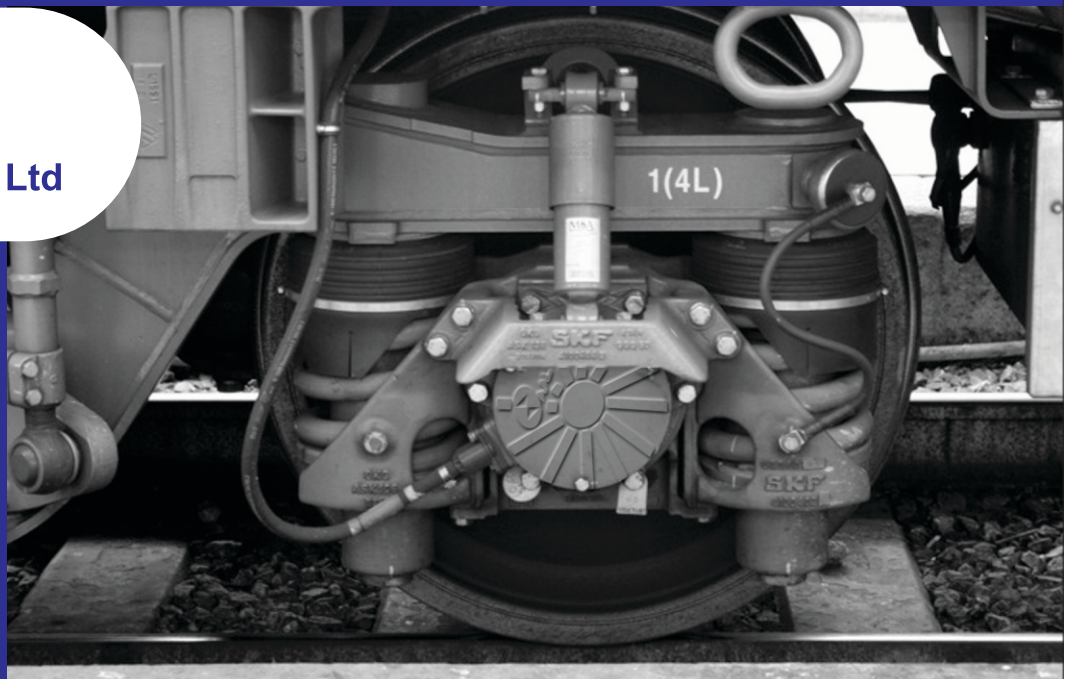




AAL[®]
Autometers Alliance Ltd



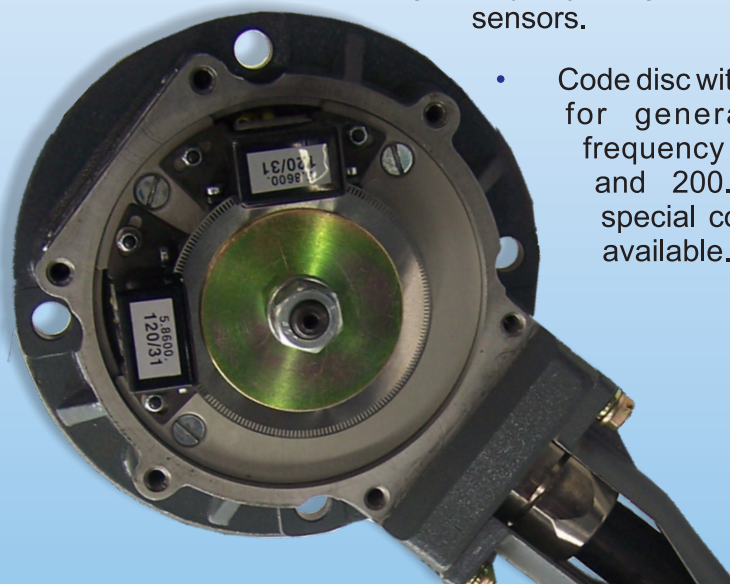
Autometers Alliance Ltd offers Opto Electronic Pulse Generator with state of the art design. The product has passed type tests based on IEC 60571 standard and provides excellent performance for use in rail vehicles and urban transportation systems under extreme operating conditions.



OPTO ELECTRONIC PULSE GENERATOR FOR TRACTION VEHICLES

Salient Features

- Aluminium alloy housing conforming to IP 68 with mounting flange and removable cover.
- Suitable to withstand extreme mechanical and thermal stresses encountered in traction vehicles.
- Axle driven by means of a driving fork.
- Carrier plate designed to hold up to 5 optical sensors.
- Convenient electrical phase shifting of output signals by adjusting the position of the sensors.
- Code disc with 1 or 2 tracks for generating pulse frequency between 1 and 200. Discs with special codes are also available.





Types

Two types of pulse generators are available depending upon the application requirements:

- Standard Pulse Generator with single/dual sensors.
- Customised Pulse Generator with upto 5 sensors, different interface connector, cable lengths etc.

Applications

The product is used for various control and safety functions. It provides the electrical output corresponding to wheel rotation for systems, like wheel slip/slide control system, speed indicator cum recording system, locomotive control system etc.

Technical features

Torque	<= 6Ncm
Max. No. of revolutions	2000 rpm*
Code disc	1 to 200 pulses*
No. of sensors	1 to 5
Supply voltage	10 to 28 V DC
Sink current	Up to 40 mA
Output pull up	1.5 Kohm (nominal)
Temperature range	- 40° to 80°C
Dielectric test	1.5 kV; 50 Hz; 1 min
Weight	2.4 Kg including 2m connecting cable (w/o connector)
Protection	IP 68 according to DIN 40050, sheet 1

* subject to output frequency <=3k Hz



Autometers Alliance Ltd

C-63, Sector-57, Noida - 201 307, India

Tel.: +91 (0) 120-6770100

E-mail: info@autometers.com

Website: www.autometers.com