

LASER TACHOMETER ELLAS2

The laser tachometer reads the optical pattern from a disc's position at any time or from a dashed band by using the reflex method and makes it available as a TTL pulse train. The tachometer also outputs a speed-proportional frequency, similar to the scanning of a gear wheel with a magnetic sensor. To facilitate the positioning of the sensor head, the wavelength is in the visible range so that the position of the measuring spot appears as a red dot. To process different reflection factors, the electronics are equipped with a signal processor which continuously monitors the received light.



LASER TACHOMETER BACK



LASER TACHOMETER FRONT

TECHNICAL SPECIFICATIONS

Line frequency range	0 Hz to 40 kHz (during static Mode)
Laser characteristics	- Laser class 2 - Wave length 650 +/- 10 nm - Laser power <1 mW
Output	TTL (8-pol Lemo)
Pulse width	180 ns
Operating temperature	-20 °C to 50 °C