



## PT-500/PT-500LS

The model PT-500 tachometer is a fully digital unit, designed to withstand the rigors of harsh Mining conditions.

The model PT-500 tachometer is designed for applications requiring direct coupling to any (non-driven) pulley or similar drive mechanism.

A special low speed version (PT-500LS) allows measurement of lower rotational speeds.

The PT-500/PT-500LS is supplied with a 15mm diameter drive shaft, 150 mm long (which may be cut to suit the length required).

### Tachometer Drive Assembly (TDU)

As an option we offer our Precision Tachometer Drive Assembly (TDU) to simplify installation of

the PT-500 into conveyor systems. This drive assembly has been carefully designed to provide:

- Precise tachometer / conveyor belt interface, so as to eliminate speed measurement errors;
- A drive assembly of the required durability and reliability.
- No interference with existing conveyor pulleys.

This speed sensor drive assembly is the preferred system for use with our premium Accuweigh® conveyor scale models.

Approved for use in custody transfer conveyor weighing applications.



The PT-500/PT-500LS tachometer may be fitted to a non-drive pulley by way of a stub shaft or flexible coupling.



## Specifications

Materials/Finish	Cast Aluminium Alloy	
Shaft	15mm dia x 150mm	
Protection	IP 65 std (flameproof optional)	
Output / Resolution	500 pulses/rev	
Measurement range (with UNIPRO® transmitter)	PT-500:	24 - 1200 RPM (2400 w/o de-Jitter)
	PT-500LS (Low Speed):	0.8 - 40 RPM
Cable length to transmitter	1000 meters (1mm <sup>2</sup> conductors)	
Power	From UNIPRO® Transmitter. (9 - 24 VDC, 50mA)	
Temperature range	(Standard Speed): -10°C to +70°C, (Low Speed): -10°C to +60°C	
Mass (Basic)	2kg	
Mass (with cable & TJB-154 junction box)	2.2Kg	



## TDU for PT-500

Measurement Range	PT-500:	14 - 670 m/min
	PT-500LS:	0.45 - 22.5 m/min

