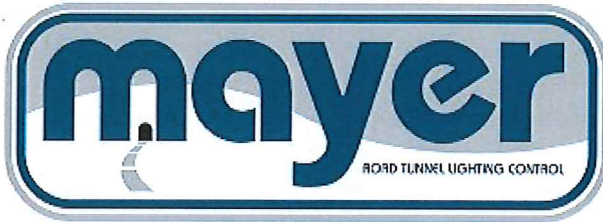


TLA Controls Ltd

Instrumentation and Lighting Control Systems



The Spinney
Stream Bridge
Horam
East Sussex
TN21 0HA
UK

Tel: +44 (0)1435 810466

Email: Les@tunnel-lighting-control.com

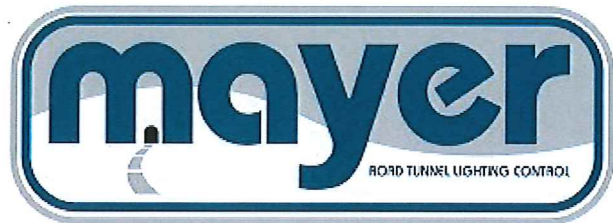
Mayer Road Tunnel Lighting Control

With over 20 years experience in the design and development of road tunnel lighting control systems, TLA Controls Ltd is a British company



The Mayer system is installed in many countries across the world.

It is designed to comply with the specified requirements of the CIE (Commission Internationale de l'Eclairage).



Model TS101 Luminance Meter:



Mounted outside a road tunnel
meter

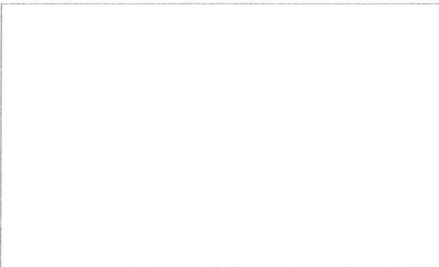
amount of light experienced by
a driver approaching the road

Measuring range:	0–9,000cd/m ² (other ranges available upon request)
Measurement angle:	20 ⁰
Photocell:	Reverse biased silicon photocell with an eye response filter; The response of the photocell and amplifier is linear across the range 0 – 9,000 cd/m ²
Accuracy:	+/- 3%
Calibration:	Calibrated to a standard traceable to the National Physical Laboratory, UK
Output:	Sourced 4-20mA signal which is terminated in a resistive load within the controller
Resistive load:	100 - 800 ohms
Housing:	Extruded aluminium (IP66/IP67) with sunshield
Power requirement:	220 - 240VAC, 20VA including heater (other ranges available upon request)
Dimensions:	Length: 44cm Width: 18cm Depth: 10cm
Operating temperature:	-40 ⁰ C to +50 ⁰ C
Optional Accessories:	Wall or Pole mounting equipment Wash/Wipe unit with timer for automated switching





Model TS150 Illuminance Meter:



Measuring range:	0–20,000 lux (other ranges available upon request)
Photocell:	A silicon diode photocell used for the light receptor is mounted beneath a cover of transparent polycarbonate in the upper facia of the unit's exterior housing. Incorporated in the electrical system is a thermostatically controlled heater element to prevent the formation of interior moisture.
Accuracy:	+/- 3%
Calibration:	Traceable to RSCAL standard
Output:	Sourced 4-20mA signal which is terminated in a resistive load within the controller
Resistive load:	100 - 800 ohms
Housing:	Glass reinforced polyester (GRP) IP65, EExe IIT6 approval. Housing may be fixed to a flat surface.
Power requirement:	220 - 240VAC, 20VA including heater (other ranges available upon request)
Dimensions:	Length: 22cm Width: 12cm Depth: 9cm (excluding dome); H13cm (including dome)
Operating temperature:	-40 deg C to +50 deg C
Heater:	6W
Connections:	2 x M20 cable gland

