

TESS-WDL *(TESS-W Data Logger)*

TESS-WDL is a stand-alone photometer that stores its readings on an SD card.

It is used to measure the brightness of the night sky and its apparent IR temperature in locations without access to the internet or power.

It allows you to monitor changes in sky brightness and clouds throughout the night.

It is designed to operate outdoors for the study of light pollution.

Its measurements are compatible with the TESS-W photometer from the STARS4ALL network.

Optionally, this photometer can operate in Wi-Fi mode if a Wi-Fi access point is available.



Technical Characteristics.

- Power supply: 1200mA lithium battery rechargeable by solar panel.
- SD card 8GB.
- Dimensions: 10x15x8 cm.
- Weight 400 gr.
- Working temperature -30°C to 50°C.
- IR Thermopile Sensor MLX90614, FOV 35°
- Resolution IR Temperature + - 0.02 °C
- Measurement range IR temperature -40 to +380 °C
- Accuracy sensor temperature + - 0.5 °C
- Brightness Sensor: TSL237.
- Measured FOV of Brightness: 17°.
- UVIR filter 400 to 740 nm.
- Brightness Precision: + - 0.1 mag/arcs2.
- Brightness range: 8 to 23 mag/arcs2.
- Brightness Calibración LICA UCM.

More information:

tessskysensor.blogspot.com
foundation.stars4all.eu/