

Light Strength Monitoring Probe

Model: LM118



- An updated version is based on LM106
- An excellent solution for the objective result for the performance of the vehicle headlights and rear lights during EMS tests.
- **DO NOT NEED** CHANGEN™ OPT-A00X-AA and Michigan FO-ST **ANYMORE.**
- Output voltage (<DC 3V) is continuous based on the change of monitored light strength
- The response time is quick to nanosecond (ns) level
- Validated for EMC at **INFINITE V/m** field strength.
- **New feature!!** Self-test function is added on LM118, useful for test engineers to adjust the probe status
- **New feature!!** Battery is **REMOVED.**
- **New feature!!** Extremely small size and easy to fix on the antenna mast(CHANGEN™ PM0812) for variable angle/position adjustment.
- **New feature!!** Compact size for storage and **extremely low** negative effect for radiation field around the DUT.

Description

LM118 is an upgraded product based on LM106. It is an excellent product for obtain the objective result for the performance of the vehicle headlights and rear lights during EMS tests. Normally, during EMS tests, the subjective results are always found on the test report. These results are deficient for the OEMs to judge the EMC performance of the DUT.

LM118 can convert the light strength to the DC voltage (<3V). The output voltage can be measured by the oscilloscopes and the data recorders. This kind of result is a relative value, not an absolute value.

Except upon features, more outstanding designations can be found on LM118. The enclosure is re-designed for extremely low negative effect for radiation field around the DUT.

Specification

Item	Contents
Wavelength Sensitivity (λ)	430nm - 1010nm
Output Voltage (V)	0 - 3 (direct ratio to the monitored light strength)
Output Connector	BNC(F, 50 Ω)
Continuous Work Time (h)	Infinite
Power (for receiver)	AC 100-240V, 50Hz
Size	Detector: 50mm * Φ 25mm Receiver: 100mm*100mm*60mm
Camera Threads	1/4" inches
Warranty	36 months
Options	<ul style="list-style-type: none"> Probe Mast (CHANGENTM PM0812 with a manual universal pan-tilt, can be customized for multi probe connections)
Service Options	Extended Warranty, 12 months Extended Warranty, 24 months