

## SMF/L

Laboratory System for measurement of AGL equipment



Manual positioning of the bar is also allowed for special customer purposes.

The system is fully controlled by a user friendly application Software which includes all the functions necessary to create the data base, to set up the system parameters , to save, print and display the results of measurement, to compute and display the isocandela diagrams.

The system software runs on a Windows XP platform. All the data acquired during the measurement sessions are stored into the system data base and can be exported to other MS Office programs for any further application.

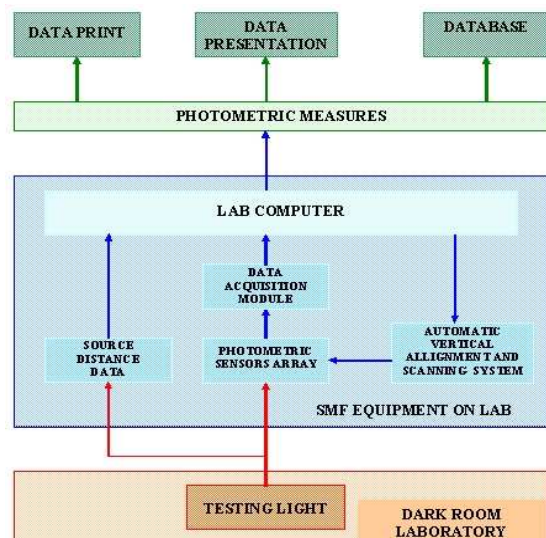
SMF/L is a photometric measurement system for AGL equipment especially designed and developed by ARGOS INGEGNERIA to operate in the workshop of the airfield lights department.

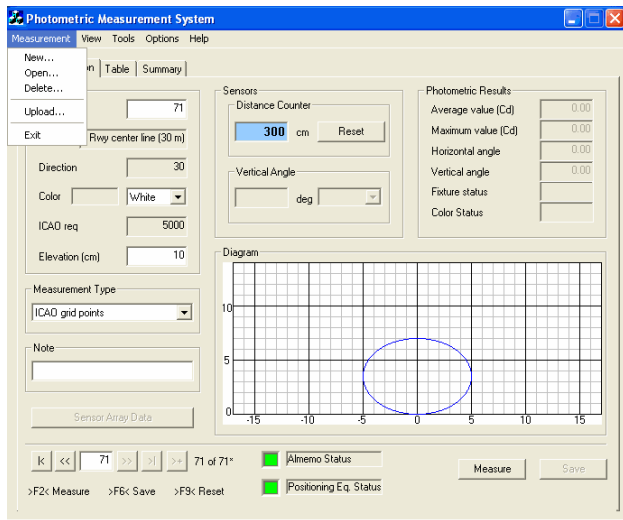
SMF/L belongs to the ARGOS 's product family for AGL measurement. It is recommended for indoor operations of customers equipped with ARGOS's mobile systems.

SMF/L allows a precise measurement of all inset and elevated fittings of AGL in order to certificate the performances of fixture before the installation in the airfield.

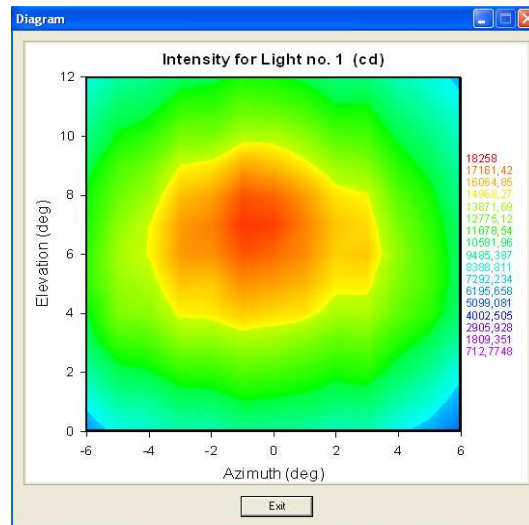
The measurement is performed by a 13 sensors array which vertically scans the beam of the light under test to get the photometric values necessary to compute the light beam intensity in candela , elevation , azimuth and the isocandela diagram according to ICAO grid requirements. The measuring bar can be equipped with a color sensing device according to CIE 1931 (true color) recommendation or RGB.

Measurement operations are fully automated and allow single step measurement, 7x13 grid points measurement, 13x13 grid points measurement.





SMF/L – Main data presentation panel

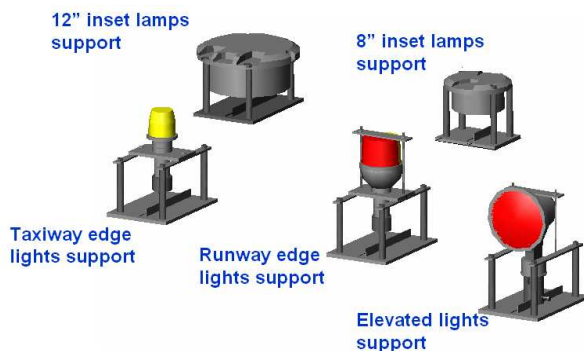


SMF/L – Display of Isocandela diagram

### SMF/L -Technical features



SMF/L – Sensors Bar



SMF/L –Special supports for lights alignment

- High precision computer controlled bar positioning system
- 13 LUX sensors with 1° spacing at 3 meters (ICAO), with 0.25 LUX resolution
- High speed electronics for sensors oversampling with 16 bits ADC
- Color measuring device conforming CIE 1931 recommendation (ICAO)
- 7x13 (ICAO) or 13x13 grid points diagram
- Average and maximum values (Cd) of beam intensity
- Vertical and horizontal angle determination
- SQL compatible system data base
- LAN communication
- Power supply: 220 Vac, 300 W
- Accuracy : +/- 3%
- Repeatability : +/- 2%