

Argos Ingegneria S.p.A.



October 2009



Photometric Measurement System

***SMF products family
for AGLS and PAPI***

SMF products family

The purpose of the SMF family of systems is to measure accurately and efficiently , in field or in a lab environment , the photometric output of Airfield Ground Light System (AGLS) and compare this output with the ICAO (International Civil Aviation Organization) requirements and recommendations for photometric performance of the light fixtures.

The family also includes SMF/PAPI , the revolutionary system for fully automatic in field measurement of PAPI alignment.

SMF

Photometric Measurement System



SMF/F



SMF/M



SMF/L



SMF/PAPI

SMF represents a family of photometric measurement systems for AGL equipments especially designed and developed by ARGOS INGEGNERIA Spa to operate both in the workshop of the airfield lights department and/or along runways and taxi.

SMF/L/M/F are able to compute the light beam intensity in candela, the elevation, azimuth and the isocandela diagram according to ICAO grid points requirements.

SMF/F is the field photometric system able to perform the stop and go measurement via a 13 sensors array which vertically scans the beam of the light under test to get the photometric values.

SMF/M is the mobile photometric system able to perform the measurement of the airfield lights while moving (no stop) along runways and taxiways.

SMF/L is the lab system and it is recommended for indoor operations of customers requiring 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.

SMF/PAPI is the system especially designed to perform the fully automatic measurement of PAPI alignment parameters.