

SOLAR SIMULATION - Questionnaire

General

Company: _____

Name: _____

Department: _____

Job title: _____

Address: _____

Phone : _____

E-mail: _____

Project: _____

Application

What kind of test(s) do you want to do?

Ageing Tests Solar Heat Load Tests Others

Others, please describe: _____

What type of specimens will be tested?

Complete Vehicles Components _____

Typical dimensions of specimens?

Length _____

Height _____

Width _____

If complete vehicles are tested, please indicate the min. and max. dimensions.

Specifications

Do you intend to run a specific standard (DIN, ISO, ASTM, IEC, etc....)?

A specific option/method? _____

Solar Simulation System

Size of target area or target volume?

Length _____

Height _____

Width _____

What's the required irradiance level (280-3.000 nm) in W/m²: _____

What's your required spatial irradiance homogeneity in ±%: _____

Requirements on spectral irradiance distribution: _____

(e.g. global solar radiation according CIE 85 (Table 4))

Do you want the solar simulator

Fixed Moveable

If moveable, please describe needs: _____

What type of control system do you prefer?

Manual Automatic External

If automatic and/or external control, please describe your needs: _____

What would be the average distance for cable routing between the electrical supply rooms (installation of our electrical cabinets) to the solar simulation system? _____

What kind of electrical supply is available in your facility?

(Voltage/Frequency/Power) _____

Ambient operation and installation conditions

What are the inner dimensions of your test chamber:

Length _____

Height _____

Width _____

What are the ambient conditions for the system inside the chamber

Not in operation / In operation

Temperature (°C) _____ / _____

Rel. Humidity (r.H.) _____ / _____

What are the ambient conditions for the electrical cabinets

Temperature (°C) _____

Rel. Humidity (r.H.) _____

Only if available, please supply a sketch of your test facility and preferred test arrangement.

Thank you for the assistance.