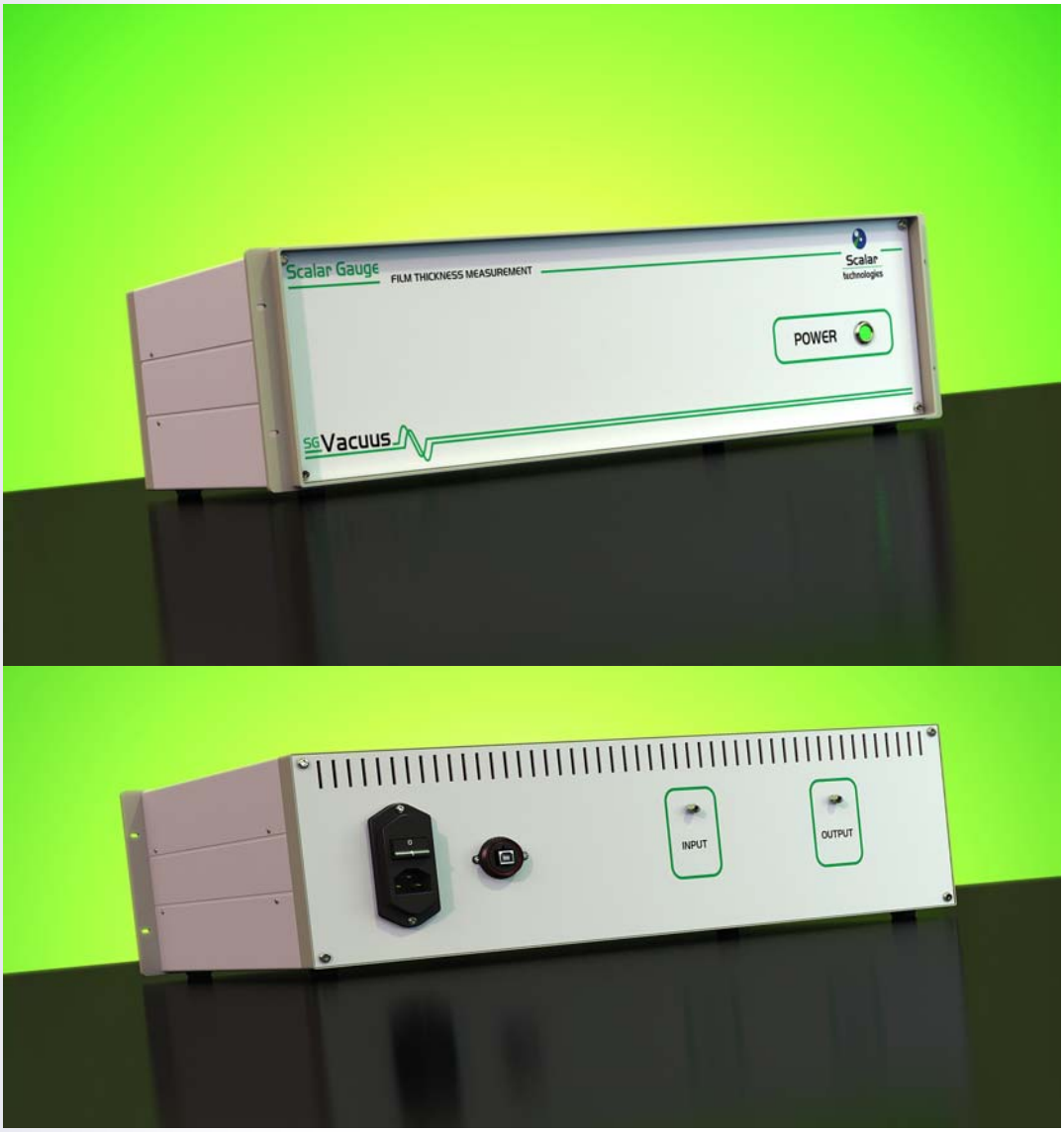
Scalar technologies

SGVacuus



SGVacuus

HIGH PERFORMANCE, FLEXIBLE
NON-CONTACT, IN SITU BORADBAND, OPTICAL THICKNESS MONITOR FOR VACUUM DEPOSITED COATINGS

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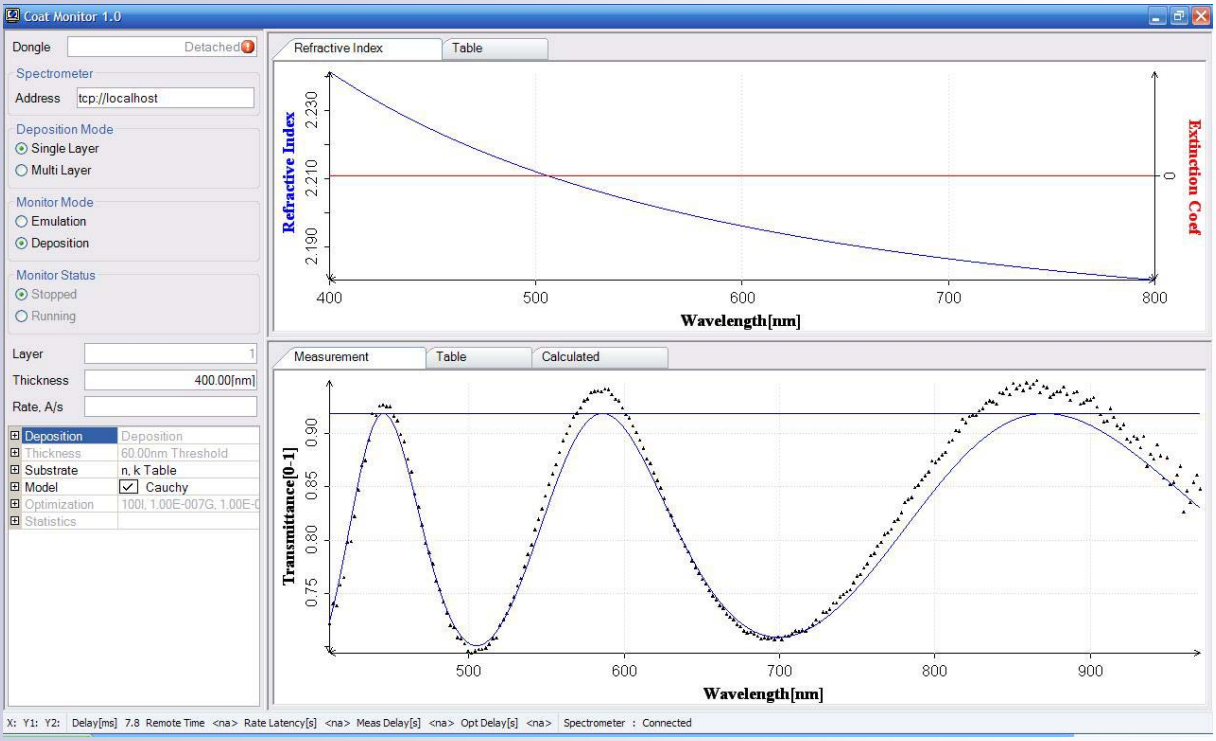
SGVacuus System Overview

SGVacuus from Scalar technologies is a compact, in-situ, broadband optical monitor that offers first class monitoring and control of the deposition process in vacuum chambers. The latest addition to Scalar Technologies' range of class leading thin film spectroscopy products, **SGVacuus** delivers comprehensive direct recording of broadband spectra from test substrates. Our advanced software package delivers a range of comprehensive functions and options giving users total control and flexibility over their coating operations.

The **SGVacuus** unit is designed with complete flexibility in mind; our software is easy to integrate with controlling systems and the characterisation and remote monitoring of the deposition process can be from either local or remotely located networked controllers.



Whether your application involves the integrated monitoring and control of ophthalmic AR coatings, or is an in-line web coating or batch system, or an ITO deposition and monitoring application or simply a general purpose broadband monitor, **SGVacuus** can provide the answer. Optical monitoring is the only way to obtain a measurement of the true optical thickness of a layer and with a broadband monitor a more complete analysis is obtained.

In addition to its core monitoring capability, **SGVacuus** is designed to offer the customer a re-optimisation capability, whereby any faults in the coating process can be rectified by automatically calculating corrective design changes to subsequent layers, to ensure that the overall design function of the component remains as the designer intended. For further flexibility, a recording and playback facility has been incorporated into the software to enable the diagnosis of process control issues.

For a complete description and product specification of **SGVacuus**, please contact Scalar Technologies on 00 44 (0)1506 414806 or write to us at info@scalartechnologies.com