

V 06/22

INDEPENDENT TEST & CALIBRATION LABORATORY



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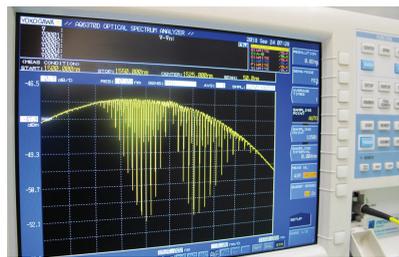
Fiber Optic Laboratory

Since March 2002, Diamond's fiber optic laboratory has been accredited by **SAS, the Swiss Accreditation Service**, as:

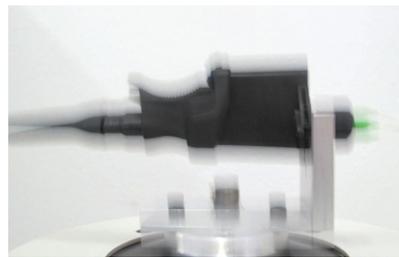
- **Calibration Laboratory for Fiber Optic Measurement Instruments (Accreditation no. SCS 0101)**
- **Testing Laboratory for Fiber Optic Components (Accreditation no. STS 0333)**

In accordance with the Standard ISO/IEC 17025:2017.

Accreditation, a guarantee for technical competence and independence.



Optical measurement



Vibration testing



Climatic testing



Calibration

Performance under control

A worldwide recognized service offering:

Calibration

- Power meter instruments:
 - Optical power calibration
 - Linearity calibration using superposition system
- OTDR instruments, SM and MM modules:
 - Distance scale calibration
 - Attenuation scale calibration

General conditions:

- Standard wavelengths:
 - SM 1310 / 1550 nm - MM 850 / 1310 nm. Other wavelengths upon request
- Short lead time (2-3 days after receiving the instrument)
- Official calibration certificate with measurement data and uncertainties and with traceability to national standards

Additional services:

- Light source wavelength and spectrum measurement
- Light source stability measurement
- Instrument shipping service (safe, rapid, no need for special package)
- Periodic instrument recalibration service

Measurement & Test

- Measurement of optical and geometrical parameters of fiber optic components (insertion loss, variation of optical power, return loss, polarization dependent loss, ferrule end face geometry)
- Mechanical tests (vibration, proof, twist, bending, impact)
- Environmental tests (temperature and humidity)

And much more

- Training center
- Assistance in the field of measurement technique
- Development of measurement instrument