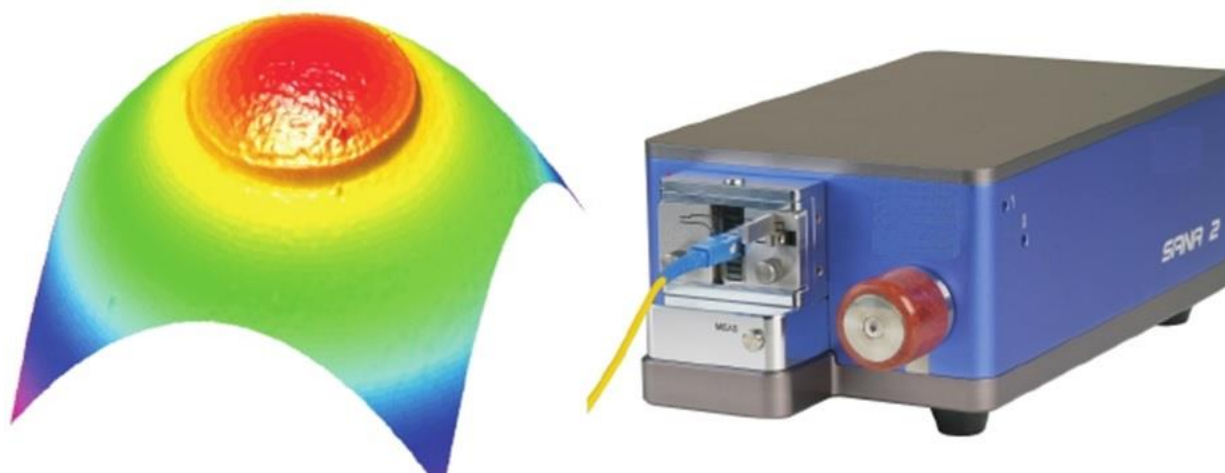


CA3004 SANA 2 Interferometer

Technical Specification V1.00

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 UC INSTRUMENTS CORP.

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CA3004 SANA 2 Interferometer

(Ver 1.00)

SANA 2 fiber endface interferometer is a type of cost-efficient non-contact test instrument with excellent performance. It is able to measure the fiber endface geometry parameters such as radius of curvature, apex offset, fibre height and polishing angle of APC connector.

SANA 2 is a manual focus automatic interferometer for single fiber connector, Based on SANA, SANA 2 is with auto function such as auto adjust APC angle, auto test, auto indicate test result, etc. With newest software design, SANA 2 further improve the measurement accuracy and test speed up to 0.5S. With fully new fixture platform and unique structure, SANA 2 greatly improves the anti-shake, fixture life time and measurement stability.

With low cost, high performance and durability, SANA 2 is a good choice for the fiber connector manufacturer.

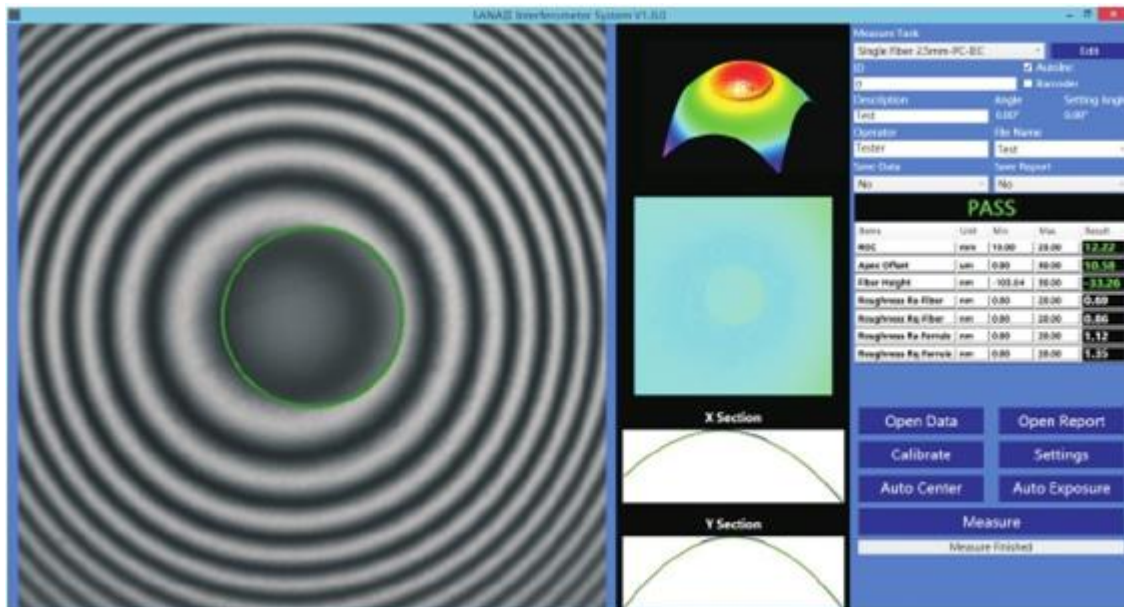
Design for following list fiber connector end-face manufacture testing and inspection:

SC/PC; SC/APC;
FC/PC; FC/APC;
LC/PC; LC/APC;

Features

- Auto measure, lock the clamp to start the measurement automatically
- Applied for 0-12° APC angle automatic adjustment
- Clamp self-adapting lock design
- Fast test, speed up to 0.5s
- Unique focus structure
- Unique LED indicator to show test result
- Easy transfer between Chinese and English software interface
- Auto generate data and report in excel format
- Strong anti-shake structure

Applications



1. Auto measure

Unique fixture platform design and fixture auto inductive locking structure makes each measurement can be done automatically once the fixture is locked, which greatly improves the working efficiency.

The measurement can be also done by pressing button on the platform.

2. 0-12° APC angle automatic adjustment

With unique fixture platform structure, the users can adjust the APC angle 0-12° per specific demand. The angle accuracy adjustment can be 0.003°, the software can compensate angle automatically for each measurement, makes the angle accuracy never more precise.

3. Self- adapting fixture locking function

Adopting self-adapting fixture structure, automatically fit the locking strength to ferrule, make sure each time

the same locking strength to reduce fixture wearing and prolong the fixture life time.

4. Fast test speed

SANA 2 improves the measurement speed greatly, it makes each measurement only 0.5S.

5. Unique manual focus

Unique manual focus function by wooden handle and better focus platform makes the users more comfortable to operate.

6. Panel LED indicates test result functions

Follow the test result reminded by the computer sound of SANA, SANA 2 adds LED indicating the test result functions. If LED turns on red, it means FAIL; if LED green, it means PASS. It is more convenient for the users to judge the test result.

7. Excellent software design

Based on the function of auto image center, auto exposure of SANA, SANA 2 adopts a fully newest software design, improved software algorithm and interface, makes test speed more fast and software interface more concise.

8. Stable data link and excellent anti-shake function

With USB locking cable, SANA 2 makes sure the high stability on the data link.

With the new hardware design, SANA 2 can still work well even under the rough and strong shaking environment.

Technical Specification

Item	Range	Repeatability	Reproducibility
ROC (mm)	3.0 ~ Flat	±0.1%	±0.2%
Apex Offset(um)	0~250	±0.5	±1.5
Fiber Height (nm)	-160~160	±1	±2
Angle (°)	0~12	±0.01	±0.015
Measure Speed	0.5s		
Dimension	283mm*150mm*108mm(L*W*H)		
Power Supply	DC 24V		
Communication Port	USB 2.0		

Contact Information

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