

FGM Optical Fiber Geometry Analyzer (Upgraded For Speciality Fiber)



Model NO: FGM-RS-5

FGM Optical Fiber Geometry Analyzer is a new product after OFM Optical Fiber Multiparameter Testing System developed by Rayscience .It can be used to replace the expensive imported machine. The equipment is based on grey calibrate technique of EIA/TIA FOTP176.It is a high-precision intelligent instrument consisting of advanced optical system ,CCD camera, computer and so on . Perfect software has been designed to calculate precisely all data collected from the optical fiber's near field figure. The instrument can obtain the boundary of fiber cladding and diameter of core, at the same time it can provide all the geometry parameters .Test result is precise and reliable.

Specifications:

Fiber type	Test parameter	Repeatability error
Single-mode fiber	Core Diameter um	≤0.05
	Cladding Diameter um	≤0.05
	Cladding Non-circularity %	≤0.10
	Core/cladding Concentricity Error um	≤0.04
Multimode fiber	Core Diameter um	≤0.08
	Cladding Diameter um	≤0.05
	Core Non-circularity %	≤1.00
	Cladding Non-circularity %	≤0.10
	Core/cladding Concentricity Error um	≤0.08
Coating	Coating Diameter um	≤1.00
	Coating Thickness um	≤0.50
	Coating Non-circularity %	≤0.40
	Core/coating Concentricity Error um	≤1.00
Time		≤60sec