

# Data-Pixel Koncentrik Ferrule V2

## Features

- Measure ceramic and metal PC-type ferrules
- Automatic measurement + re-positioning of ferrule at tuned position
- Ferrule envelope & bore shape-error measurement
- Ferrule end-face visual inspection at x400 magnification
- User adjustable quality level for high-speed measurements
- Easy calibration Koncentrik Software

## Benefits

- Measurement data exported in standard text format
- Statistics on measurements available

## Applications

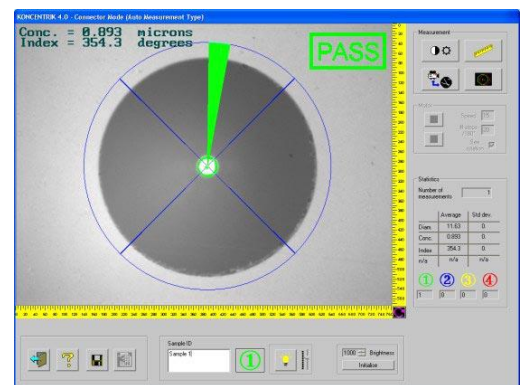
- Ferrule sorting
- Measures eccentricity of the ferrule bore with respect to the ferrule outer envelope



### High precision fiber-core to ferrule-envelope eccentricity and indexing measurements.

The new KONCENTRIK-V2 is a modular measurement system. Several mechanical modules adapt on it so that either fiber or ferrule eccentricity measurements can be performed.

With this module, KONCENTRIK-V2 measures the eccentricity of the ferrule bore with respect to the ferrule outer envelope with less than 0.15µm uncertainty. Other measured values are the angular position of the bore with respect to the connector key (tuning applications), the bore diameter and non-circularity errors of both the ferrule outer envelope and the ferrule bore.



## Specifications

Parameter	*Reproducibility	Range
Eccentricity measurement	±0.05µm	0 to 100µm
Indexing measurement	Up to 1°	0 to 360°
Measurement speed		3 sec + (user variable)
Ferrule Outside Ø		1 to 4mm
Ferrule Bore Ø		5 to 500µm
Power & Interface		12V external, USB 2.0

\* 1 Sigma values.

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# Data-Pixel Koncentrik Connector V2

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## Ordering Guide

Part Number	Description
DPLC-01-V2	Basic Hardware System (without any measurement module) Parts included: KONCENTRIK Basic Hardware System version 2+ KONCENTRIK-V2 Software CD ROM + USB cable + 12V Power Supply
DPLC-04-V2-125	Bare Ferrule Measurement Module for the measurement of Concentricity and Indexing of 1.25mm Ferrules + Ferrule Measurement Software Module
DPLC-04-V2-250	Bare Ferrule Measurement Module for the measurement of Concentricity and Indexing of 2.5mm Ferrules + Ferrule Measurement Software Module

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