

LZK Air Micrometer

LZK Air Micrometer digital precision comparator type measuring instrument based on the law of physics which state that back pressure is directly proportionate to the clearance (product dimension size) and react inversely each other.

LZK Air Micrometer is suitable for quality control and improving measurement efficiency since it can read promptly actual dimensions of the product.

3 colors LED bar can help judging acceptance of the product quickly and the measured data can be processed through I/O interface.



Specifications

Item	LZK Air Micrometer
Detection method	Semiconductor A/E conversion system
Display	Three-color LED display, 101-dot, bar graph Digital display (displays mode, measurements and parameters)
Judgement function	Measurement and parameter ranking assessments: +NG, OK1-30 and +NG
Operating display function	Comes standard with 10 basic operational modes for single channel specs
Measurement function	Inner diameter, Outer diameter, thickness, highness, straightness. Accommodates memory capture measurements and continuous capture measurements in addition to regular measurements.
Output interface	RS-485
Air pressure supplied	300~700kPa
Power	100~240V±10% 50/60Hz 11VA
Weight (Kg)	2.8
Dimension	77mm(W)*500mm(H)*125mm(D)
Optional	Audible alarm, USB, Air auto shut off, Wireless transmission, QR code with measurements

Performance

Items	Standard Performances				
	5μm	10μm	25μm	50μm	100μm
Measuring range	5μm	10μm	25μm	50μm	100μm
Display resolution	0.1μm	0.2μm	0.5μm	1.0μm	2.0μm
Max. measuring error	0.2μm	0.4μm	1.0μm	2.0μm	4.0μm
Repeatability	0.1μm	0.2μm	0.5μm	1.0μm	2.0μm
Response time	Max 1.2s				