



北京凯普海泰科技有限公司  
Beijing Cap High Technology Co.,Ltd.

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## CMC402 digital pneumatic measuring instrument



### Features:

The MicroCompass 402 is a touch screen operation, which is the highest level of digital pneumatic measuring instrument. It is simpler and more precise to operate. It has very strong expansion and is the best choice for geometrical tolerance measurement. It can realize advanced measurement system.

Therefore, it is widely used in precision machining industries such as bearings, engine cylinder liners, air compressors, oil pump nozzles, automobiles, ships, and aerospace.

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### The main advantage:

- Non-contact measurement, using imported high-precision pneumatic sensor, built-in SMC precision pressure regulating valve, high precision and good repeatability;
- Touch screen, color display, intuitive and convenient, avoiding artificial reading errors;
- The tolerance zone can be set to indicate that it is out of tolerance or qualified, and provides an audible alarm function;
- Full Chinese interface, easy to learn, will see at a glance;
- All versatile domestic pneumatic measuring probes do not have to be re-made;
- Scalability and more special features to contact MicroCompass.

### Technical Parameters:

Instrument model	<b>CMC402</b>
p.	117-701
Display type	Touch screen, 60,000 color tft true color
Display	7 inches, 800*480 pixels
Resolution	0.1um
Repeatability	W0.4um
Measuring range	0-120um
System accuracy	0.4+S/100um; S is the tolerance value in um
Dimensions	240*230*220mm
weight	5Kg
Extended model	<b>CMC402d5: Pre-store 5 sets of data</b> <b>CMC402d10: Pre-stored 10 sets of data</b> <b>CMC402d15: Pre-stored 15 sets of data</b> <b>CMC402R : Increase roundness analysis function</b> <b>Data storage function (optional): the data is transferred out through the u disk in csv</b>
Measuring environment requirements	
Power requirement	24VDC 2A
power	8W



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Operating	20° C $\pm$ 5° C
Storage temperature	-10° C to +60° C
Relative humidity	20-85% (no condensation)
System air supply	0.6Mpa
Intake air pressure	0.3Mpa