



CMC 402R digital pneumatic roundness meter

Product model: CMC402R

System accuracy: $0.4+S/100\mu\text{m}$

Repeatability: $0.4\mu\text{m}$

Application range: aperture, outer diameter and roundness analysis

The digital pneumatic roundness meter makes the measurement of the roundness more convenient, fast and accurate by customizing the measuring head system for each part to be tested. It has obvious advantages in measurement speed and precision, and significantly reduces the roundness measuring instrument purchase cost.

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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Main technical features:

1. Roundness analysis
2. True color touch screen display
3. Chinese menu, easy to operate
4. Personalized display, easy to learn
5. Alarm prompt

Mc402r digital pneumatic roundness meter technical indicators:

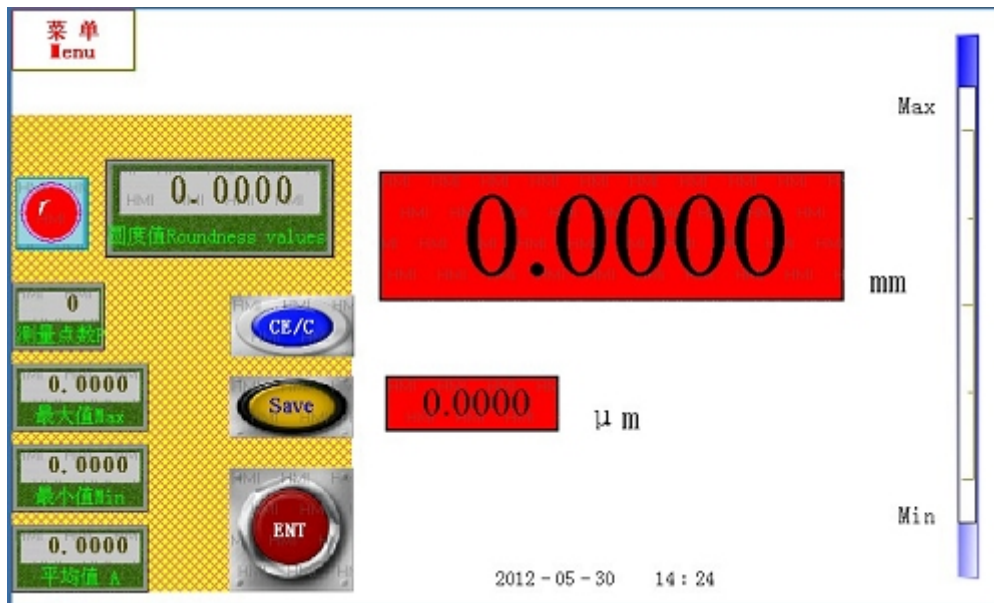
| | |
|---------------------------------------|---|
| Instrument model | CMC402R |
| Item number | 117-704 |
| Display type | Touch screen, 60,000 color tft true color |
| Display | 7 inches, 800*480 pixels |
| Display method | 65536 true color |
| Resolution | 0.1μm |
| Repeatability | ≤0.4μm |
| Measuring range | 0-120μm |
| System accuracy | 0.4+S/100μm; S is the tolerance value in μm |
| Dimensions | 240*230*210mm |
| weight | 5.1Kg |
| Technical characteristics description | <ol style="list-style-type: none"> 1. True color touch screen display 2. Industrial grade plc control 3. Chinese menu 4. Personalized display 5. Measuring roundness 6. Store measurement data |
| Measuring environment requirements | |
| Power requirement | 24VDC |
| power | 8W |

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

Introduction to CMC402R:

When measuring the roundness of the CMC402R digital pneumatic roundness meter, turn the probe or the workpiece to be measured at any angle, you can collect multiple points and directly display the roundness value. You can also purchase the data storage function to dump the data with the u disk. Into the computer (csv format).



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Introduction to data collection function:

It can store about 1 million data and export it using u disk. After each data is exported, the data on the instrument is cleared. Please save it properly.

Data storage example:

| | A | B | C | D | E | F | G |
|---|--------|------|---------|---------|---------|----------|----------|
| 1 | 圆度 | 测量点数 | 最大值 | 最小值 | 均值 | 日期 | 时间 |
| 2 | 0.0024 | 8 | 15.8585 | 15.856 | 15.857 | 2012-5-3 | 17:36:03 |
| 3 | 0.0009 | 5 | 15.86 | 15.8591 | 15.8594 | 2012-5-3 | 17:48:17 |
| 4 | 0.0016 | 6 | 15.8605 | 15.8589 | 15.8592 | 2012-5-3 | 17:48:50 |
| 5 | 0.0003 | 10 | 15.8669 | 15.8666 | 15.8668 | 2012-5-3 | 17:49:43 |
| 6 | 0.0001 | 10 | 15.8485 | 15.8484 | 15.8485 | 2012-5-3 | 17:50:10 |

OD measurement roundness video sharing: (take 7.9 outer diameter as an example)