


ME5011


Universal DCC CMM Controller


The Metrologic Group ME5011 DCC controller benefits from over 35 years of expertise, offering state of the art technology used to create the most flexible, powerful and universal DCC controller for CMMs. Our DCC controller is not only easy to install and tune-up, but its capabilities will improve the overall machine reliability and efficiency. **Think retrofit!**


THE ME5011 DCC CMM CONTROLLER IS...


- CMM retrofit-ready to improve reliability and add capabilities.
- Compatible with any kind of machine (bridge, horizontal arms, gantry).
- Ready for any application (sheet metal, machined parts, injection...).
- Integrated with most available laser line scanners (Nikon, Hexagon, Kreon, Perceptron, Zeiss...).
- Compatible with any existing or new CMMs.
- Designed to increase CMM overall performance and improve its throughput.
- Flexible and made to last, supporting your growing requirements.
- Maintenance-free and operator-friendly.
- Multi-sensor ready.

FAST
 Capable of high-speed motion with touch trigger, contact scanning and laser scanning measurements.


COMPACT
 All integrated in one box. Horizontal or vertical assembly. Maintenance-free.

UNIVERSAL
 Fully compatible with all CMM types, brands and probing systems.


SMART
 Scanning of unknown surfaces (digitization, reverse engineering).

RELIABLE
 Use of proven technologies combined with 35 years of experience.

INTEGRATION-READY
 Fully integrated with all Metrologic software products.

USER-FRIENDLY
 Multiple keyboard choices for better interaction between operator, machine and Metrolog software.

EASY
 Simple installation and quick tuning thanks to its built-in connection to MetroTune software.

STATE-OF-THE-ART
 Solid state built with no moving parts. Ethernet connection and embedded servo drives with fast computation.

\$ Improve your CMM performance up to 100%



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■ PROBING SYSTEMS INTEGRATION

Probe system interfaces supported by our ME5011 controller:

- Direct touch trigger probe interface;
- PICS interface for PI200, PI7...;
- Direct PH10 head interface (PH10+ with PHC10-3+);
- Tesa heads;
- Renishaw™ PHC9 and PHC50 controller interface;
- Optical laser sensors.



■ MAIN FUNCTIONALITIES

- High-speed scanning with optical and analog probes;
- Definition of path measurement capabilities (Bezier curves);
- Scanning of unknown surfaces (digitization, reverse engineering);
- External trigger synchronization for optical scanner system;
- Improved motor system interface (direct acceptance, no minimum inductance, internal low or high voltage selection...).



■ TECHNICAL SPECIFICATIONS

- High Power Output Available (up to 4kWh)
- Dual Input Voltage Capable (110V - 230V)
- Gantry Drive
- Rotary Table
- Smart Twin Security
- TCP/IP Connection to PC
- 4U High "All-in-one" Controller
- Multi-wire Internal Switch for Automatic Change (Combined SP Sensors with Optical Scanners)
- Input/Output Interface for Additional Integration
- No Hard Drive
- Compatible with DC Motors + Tachometers
- Compatible with Any Scale Signals and Encoders (Square + Sinus)
- Remote Assistance and Web Support Ready

Operator Oriented Joystick and Keyboards

Among all the improvements made to be available with this single joystick keyboard, here are some of the main advantages:

- Available wired or wireless;
- Large color LCD screen: better contrast and brightness;
- 16 Metrologix direct access programmable keys;
- New menus and quick access for PH10 head;
- Self-test functions;
- All machine axes motions integrated;
- Motorized indexed probe heads control.



■ THINK RETROFIT

CMM hardware upgrade and software updates have become increasingly popular over the past few years, restoring full performance to a measuring tool whose electronic components and software are outdated for considerably less money than changing the whole measuring machine, with the possibility to integrate the latest new probing and scanning technologies.



DO YOU NEED...

... to update your outdated measuring tool?

We guarantee to keep or improve original accuracy and measuring speeds with reliable and powerful hardware.

... **some help on your CMM?** Our Metrologix experts can provide precise recommendations. Feel free to contact our CMM service and calibration team.

... **to facilitate CMM usage in manual mode?** We offer a full range of keyboards for an optimum user experience.

ANY DATA | ANY TECHNOLOGY | ANY APPLICATION

To learn more about our products and services,
visit www.metrologix.group

