# Calculator

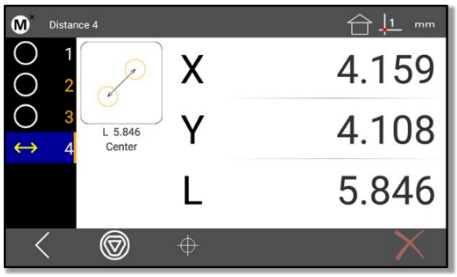
## Mx200

*An innovative solution for today's metrology market*


- Ideal for optical measuring systems, measuring microscopes or any other metrology equipment requiring encoder-assisted measurement.
- Keyboard and touch screen.

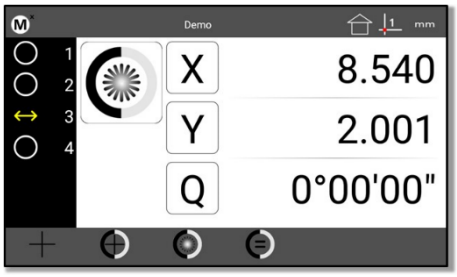
## Sleek and intuitive design

Combining a familiar user experience with current touch screen conventions, the Mx200 can quickly be integrated into your process while being accessible to a wide audience.




## Optical edge and crosshair detection

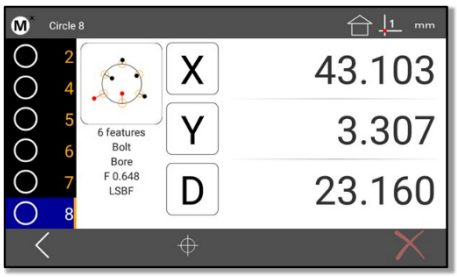
Available for both reticle and Optical Edge (optional) measuring systems, the Mx200's stitches are simple and intuitive. The exclusive EdgeLogic™ function simplifies control and limits interaction with the calculator. Simply cross the same edge twice to start and complete the measurements.




## Elements and constructions

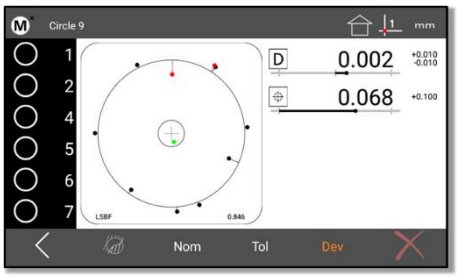
Support for industry standard measurements and the most common types of construction. Quickly switch from one construction subtype to another using a button to change the characteristic type.

- Intersection
- Circle
- Angle
- Line/circle
- Final point
- Middle point/central
- Shorter distance
- Longest distance
- Perpendicular lines
- Tangent lines

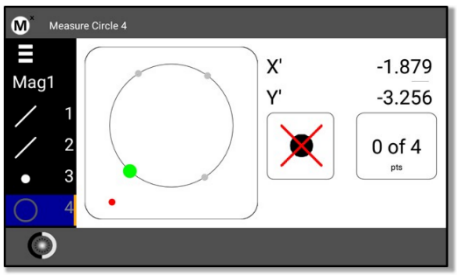



## Geometric tolerance and programming

Apply geometric tolerance checks to the elements measured and constructed using the tolerance system. Quickly apply tolerance limits, and visualize results accurately, in large and easy-to-read data views.

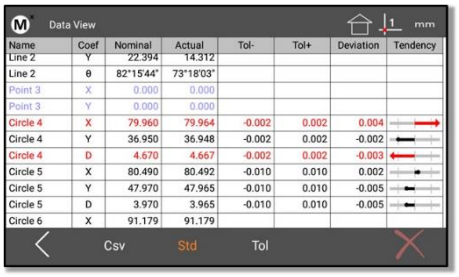



Record inspection routines for easy reading of measurements, checks with tolerances and data printing.



## Report, printing and export

Choose one of the following three report formats: CSV, Standard or Tolerance. The content of the report may include the report title, time and date, as well as all data from the characteristic measurement results. Reports can be printed as hard copies on standard Windows printers, or exported as PDF or CSV files.




Export choices include:

- Printer (USB, Wifi, Bluetooth)
- File saving (USB)
- RS 232 output

## Integration of the measuring machine

Ask your MetLogix representative about the wide variety of encoder interface technologies and other devices supported by the Mx200 Digital Computer.

## Support for all current industry standard calibration methodologies

Robust and reliable machine calibration can be achieved using the most common correction methods, including linear error correction (LEC), segmented linear correction (SLEC), non-linear error correction (NLEC) and perpendicularity correction.

## Robust and durable digital display

A sealed rubber keyboard and durable housing ensure durable performance and trouble-free operation in a variety of workshops and laboratories.

## Mx200 technical data:

**Display:**
7" Color 1024 X 600 LCD, with capacitive LED backlit touch screen.

**Power supply (included):**
100-240VAC, 50/60Hz, 0.8A.
Mx200 power supply: 12V.

**Manufacturers accreditation:**
CE.

**Dimensions (WxHxD):**
286mm x 162mm x 51mm.

**Basis dimensions (WxHxD):**
120mm x 9.5mm x 125mm.

**Mounting options:**

**OEM mounting:**
Two raised blocks offering up to 4 different viewing angles, using (2) M6 threaded holes, spaced 38mm apart.

**RAM ball mounting:**
One 1.5" RAM ball raised block.

**Basis:**
Basis with two raised blocks providing up to 4 distinct viewing angles from the base.

MetLogix M Series Feature Matrix

| Feature | Mx200 Series | M2 Series | M3 Series |
|---|---|---|---|
| Optical Edge Detection | ■ | ■ | ■ |
| Video Edge Detection | | | ■ |
| Advanced Probe Group | | | ■ |
| Geometric Functions | ■ | ■ | ■ |
| Graphic-Based Constructions | | ■ | ■ |
| Multi-UCS Datuming | | | ■ |
| Tolerancing | ■ | ■ | ■ |
| Data Export/Reporting | ■ | ■ | ■ |
| Part Programming and Playback | ■ | ■ | ■ |
| User Account Control | | ■ | ■ |
| Part View Display | | ■ | ■ |
| Feature Annotation | | ■ | ■ |
| Video Image Archiving | | | ■ |
| Image Markup | | | ■ |
| Multi-Language Support | ■ | ■ | ■ |
| XY, XYZ or XYQ Axis Support | ■ | ■ | ■ |