

VIA-200[®] MVS

Multiple-Video Standard Video Image Marker-Measurement System



The VIA-200 is pictured here with optional knob controller. Not pictured is standard keyboard and optional light pen.

FEATURES

- **Immediate compatibility with RGB, Y/C (S-Video), or composite** video sources and displays (no plug-in color interface required).
- **CE certified** for both NTSC and PAL models.
- **Measures the horizontal (X) dimension, vertical (Y) dimension, horizontal-vertical (XY) dimension, and diagonals** (point-to-point).
- **Measures hardness indentations** and displays a Knoop X, Knoop Y, Vickers, or Brinell hardness value. Approximate conversion to Rockwell B or C can be displayed.
- **Calculates the angle** when operators place two or more points to define each leg of an angle, even when the vertex is not in view.
- **Measures the radius and circumference of a circle** when operators place three or more points along the perimeter of a circular image. Users can turn on or off a graphic display of the circle as it is being measured.
- **Statistics mode** displays mean, standard deviation, low reading, high reading and range for X, Y, XY, point-to-point, angle, radius, circumference, area measurements, and hardness values. Up to 500 values can be stored.
- **Security menu** allows for marker overlay protect and calibration protect. With this protection enabled only a password holder can alter marker overlays or calibrations.
- **Type text** to label the video image. The text can be positioned anywhere in upper and lower case characters.

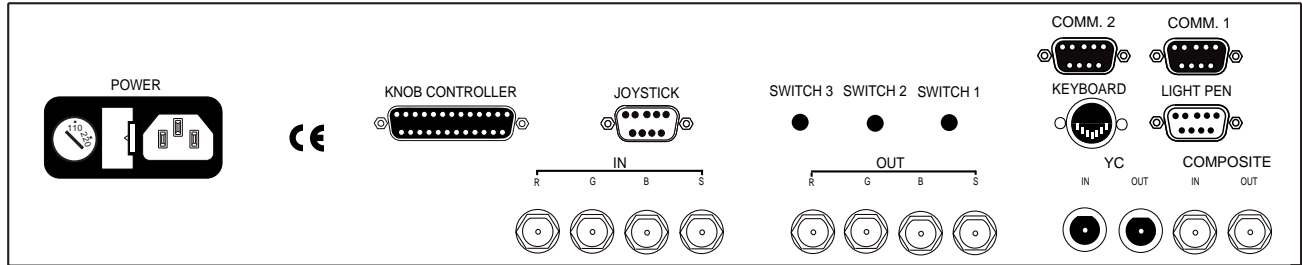
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||| FEATURES *(continued)*

- **Crosslines** can be displayed in one of ten different line patterns. Crosslines can also have an open or closed intersection and can be auto-centered.
- **Align mode** allows users to move multiple markers in unison to use as a go/no go gage.
- **Freehand draw or write** over the video image in choice of three different line thicknesses with an optional light pen, mouse pen, or mouse.
- **Displays path length of freehand drawing** as drawing takes place with an optional light pen, mouse pen, or mouse.
- **Calculates the area of a cell or shape** when operators define the cell or shape.
- **Up to 10 different calibrations** may be stored for future use.
- **Measures the long and short chords** of a cell or object when operators indicate the extremes of the perimeter.
- **Offers a counting mode.** Operators tag each cell or particle to be counted. Up to 10 different categories can be marked.
- **Ten different pointers** including arrows, standard cross hairs, a target circle, a small circle, a target box and a small box.
- **A timer** may be started and stopped to track events on the screen.
- **A sizeable and positionable reference circle or scale** can be created for a quick comparison of objects or cells to a standard.
- **Sizeable grids** can overlay the video image to assist in counting.
- **The current date and time** may be displayed anywhere.
- **Horizontal, vertical, or diagonal lines** may be positioned in one of three different line thicknesses.
- **Store up to 10 pages of marker overlays** from simple to complex.
- **Measures elapsed time** simultaneously with X, Y, XY, and point-to-point measurement or independently.
- **RS-232 output** so that users can transmit ASCII data of measurements and statistics to printers or computers.
- **Markers and measurement lines may be displayed in up to three different colors or shades** for optimal contrast with the video image.
- **On-screen display of marker position** and marker size.
- **Hide or show markers** at the touch of a key to instantly view the video image alone or with the markers.
- **On-screen help.**
- **A brief demonstration** of features can be activated to give a quick overview while training others.

SPECIFICATIONS

VIA-200 Back Panel Connections



Video Input / Output

The **VIA-200** is compatible with NTSC video @ 15.734 kHz.
The **VIA-200C** is compatible with PAL video @ 15.675 kHz.

Composite (BNC X 1);

1.0Vp-p, 75ohms, sync negative.

Y/C (4-pin mini-din);

Y: 1.0Vp-p, 75 ohms; C: 0.286Vp-p (burst), 75 ohms.

RGB (BNC x 3)

0.7Vp-p, 75 ohms.

Sync (BNC x 1)

Composite sync; *horizontal*: 0.2 to 4.0Vp-p, 2200 ohms; *vertical*: TTL level.

Overlay Contrast Range

Black to White

Resolution

1024 (H) x 482 (V) for standard model; 1024 (H) x 574 (V) for PAL model.

Stability

Reticle line placement accurate to one line of video, phased locked to camera for stability

Data Output

Through RS-232 port (ASCII data)

Ambient Temperature

0°C to 55°C

Power Supply

110/220 VAC, 0.5 AMP (60 Hz)

Dimensions of Base Unit

16.75" (W) x 3.5" (H) x 14.25" (D), or
425.5 mm (W) x 66.0 mm (H) x 362.0 mm (D)

Approximate Weight

7.32 lbs, or 3.32 kg.

Warranty

1 year parts and labor

Your Boeckeler Dealer:



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