

**Pointers** 

Generators

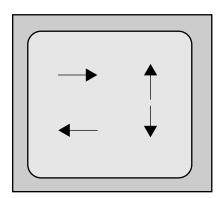
**Micrometers** 

#### **FEATURES:**

- Accommodates RS-170 composite, Y/C (S-VHS) video signals
- HCMOS logic
- · Color or black & white operation
- Horizontal resolution up to 1/421 for RS-170 composite and Y/C (S-VHS) video
- Vertical resolution up to 1/467

- Battery backup
- · Software security lock
- 12v dc camera power available from unit
- Phase-locked to camera
- Two-year warranty for all parts and labor

### Video Pointers and Generators



#### JVP\_

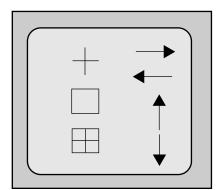
The JVP is an affordable, single arrow, joystick controlled video pointer. The four directional arrows may be repositioned anywhere on the monitor screen.

#### Features:

- Arrow flash capability
- Small to large arrow capability
- Remove and recall arrow to last exact position
- Adjustable matte level (black/gray/white)

#### **Applications:**

- Video presentations
- Forensics
- · X-Ray analysis and reporting
- · Topographical surveys



#### JV5000\_

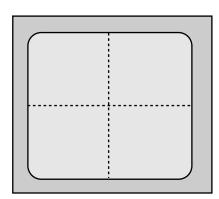
The JV5000 is a video pointer employing three different symbols and four directional arrows. These individual markers can be moved to any position on the monitor screen. The JV5000 is supplied with a five-button remote control keypad.

#### Features:

- Two selectable symbol/arrow sizes
- Adjustable matte level (black/gray/white)

#### **Applications:**

- Video presentations
- Forensics
- · X-Ray analysis and reporting
- Topographical surveys



#### JV1000B

The JV1000B is a fixed, single cross hair generator with front panel controls.

#### Features:

- Selectable line type solid or serrated
- Adjustable matte level (black/gray/ white)
- · Cross hair can be turned on and off
- · Power on off switch

#### **Applications:**

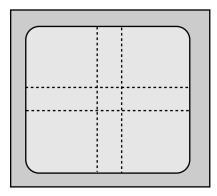
- · Drill master programming
- Laser surgery
- · Substrates alignment

#### **Options:**

- Y/C (S-VHS) input output capability for high resolution (JV1000BYC)
- · CCIR/PAL compatibility

JV1500 - DISCONTINUED

### Video Generators



#### JV2000.

The JV2000 is a single or double cross hair generator. The cross hairs can be moved independently or simultaneously. The JV2000 is supplied with a five-button remote control keypad.

#### Features:

- Single cross hair positioned anywhere on the monitor screen
- Double cross hairs positioned anywhere on the monitor screen either independently or simultaneously
- Selectable line type solid or serrated
- Adjustable matte level (black/gray/white)
- Battery back-up retains the most recent cross hair position for up to 10 years
- Software security lock prevents unauthorized changes to cross hair positions

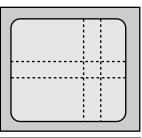
 Stores and recalls up to eight preset patterns (JV2000S)

#### **Applications:**

- Substrate alignment
- · Drill master programming
- Testing for deviations in welds, bare boards, wafers and ICs

#### Options:

 Y/C (S-VHS) input output capability for high resolution (JV2000YC)



#### **JV2000GRD**

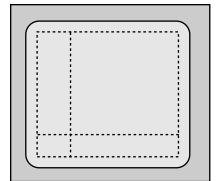
The JV2000GRD is a video generator providing a single cross hair, double cross hairs, and a grid pattern. The unit is supplied with a five-button remote control keypad.

#### Features:

- Single cross hair positioned any-where on the monitor screen
- Double cross hairs positioned anywhere on the monitor screen either independently or simultaneously
- Fixed position grid pattern of two, four, eight, 16 or 32 horizontal and vertical lines
- Selectable line type solid or serrated
- Adjustable matte level (black/gray/white)

#### **Applications:**

- Substrate alignment
- Drill master programming
- Testing for deviations in welds, bar boards, wafers and ICs



#### JV3000

The JV3000 is a three-line go-/no-go comparator. The unit has three modes of operation: three vertical lines, three horizontal lines, and a go-/no-go comparator box. The JV3000 is supplied with a five-button remote control keypad.

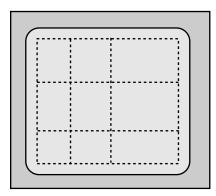
#### Features:

- Independent or simultaneous movable vertical, and horizontal lines
- Selectable line type solid or serrated
- Adjustable matte level (black/gray/white)
- Battery back-up retains the most recent cross hair position for up to 10 years
- Software security lock prevents changes to cross hair positions

#### **Applications:**

- · On-line sorting within tolerances
- · Bacterial/cell counting
- Solder joint verification

### Video Generators



#### JV3400

The JV3400 is a four-line go/no-go comparator. The unit has three modes of operation: four vertical lines, four horizontal lines, and a go-/no-go comparator box. The JV3400 is supplied with a five-button remote control keypad.

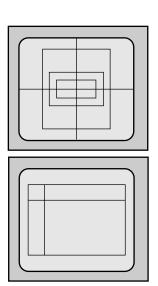
#### Features:

- Independent or simultaneous movable cross hairs, vertical and horizontal lines
- Selectable line type solid or serrated
- Adjustable matte level (black/gray/white)
- Battery back-up retains the most recent cross hair position for up to 10 years

 Software security lock prevents unauthorized changes to cross hair positions

#### Applications:

- On-line sorting within tolerances
- · Bacterial/cell counting
- · Solder joint verification



#### JV3600

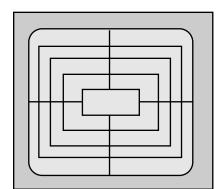
The JV3600 is a two-function comparator. The unit generates up to three individually sizable boxes with a fixed cross hair and a go-/no-go comparator box. With the combination of these two functions the unit can store and recall up to 10 preset patterns. The JV3600 is supplied with a five-button remote control keypad.

#### Features:

- Generates up to three centered boxes with a fixed cross hair
- Individually or simultaneously sized hoves
- Generates a sizable go-/no-go comparator box
- Adjustable matte level (black/gray/white)
- Battery back-up retains the most recent cross hair position for up to 10 years

#### **Applications:**

- · On-line sorting
- Solder joint verification
- · Laser cut positioning
- · Incoming inspection of machined parts



#### JV4000

The JV4000 is a four-box target generator. The unit can produce up to four sizable squares with a fixed center cross hair. The JV4000 is supplied with a five-button remote control keypad.

#### Features:

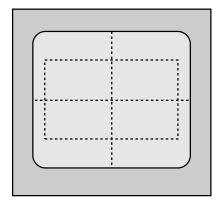
- Fixed center cross hair can be selected to on/off
- Generates up to four squares, sized individually or simultaneously
- Selectable line type solid or serrated
- · Adjustable matte level (black/gray/white)
- Battery back-up returns the most recent square size for up to 10 years

 Software security lock prevents unauthorized changes

#### Applications:

- · Laser burst targeting
- Laser cut positioning
- Incoming inspection of bare boards, wafers and ICs

### Video Generators & Micrometers



#### JV4100

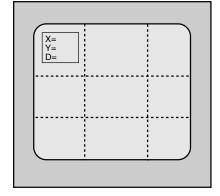
The JV4100 provides a sizable rectangle with a movable cross hair. The unit is supplied with a five-button remote control keypad.

#### Features:

- · Completely sizable rectangle
- Center cross hair repositioned anywhere on the monitor screen through a digitally coded lock control
- Selectable line type solid or serrated
- Adjustable matte level (black/gray/white)
- Battery back-up retains the most recent box size for up to 10 years
- Software security lock prevents unauthorized changes

#### Applications:

- · Laser burst targeting
- S.M.T. analysis
- · Pick and place machine programming



#### Micrometers JV6000/JV6000T

The JV6000/JV6000T are video micrometers providing on-screen measurements with four calibration capability. The unit provides accurate X-axis, Y-axis, and diagonal (D) measurements from a calibrated screen. The X, Y, and D measurements are displayed on the screen at all times after calibration. The JV6000 is supplied with a five-button remote control keypad; the JV6000T is supplied with a trackball controller.

#### Features:

- On-screen measurements:
  X-axis, Y-axis and diagonal (D)
- Four calibration capability
- Four decimal display measurement
- Adjustable matte level (black/gray/white)
- Battery back-up retains the most recent calibration settings for up to 10 years
- Software security lock prevents unauthorized changes to calibration settings

#### **Applications:**

- Skin and bone graft measurement
- Cell acceleration measurement
- Substrates dimension measurement
- Laser burst targeting and measurement

#### Options:

- Y/C (S-VHS) input/output capability for high resolution (JV6000YC)
- Six decimal display measurement (JV6000D for JV6000)



## **Technical Specifications**

#### Video:

Video Input: RS170, NTSC

Video Output: Unity gain, loop through

· Power Input: 15V dc, 600mA

Power Output:

- JV1000B & JV6000(T): 12V dc, 350mA;

+/-15% line and load

- JVP: N/A

#### **Operational Characteristics:**

\*5-button hand controller

Resolution: 421 (H) x 467 (V)

• Matte:

 JV1000B & JV6000(T): Black to white and any shade of gray

 JVP: Black to white and three shades of grav

 Line Type: Selectable solid to serrated (N/A JV3600, JV5000, JVP)

· One-year warranty on all parts and labor

#### Mechanical:

• Dimensions:

JV1000B & JV6000(T):
 5.875" W x 1.75" H x 8.625" D
 (149.23 W x 44.45 H x 219.08 D mm)

- JVP:

7" W x 1" H front to 3.75" back x 6.5" D (177.8 W x 25.4 H front to 95.25 back x 165.12 D mm)

· Weight:

- JV1000B & JV6000(T): 3 lbs (1.36 kg)

- JVP: 2 lbs (.91 kg)

#### **Options:**

 JVY/C: JV1000BYC, JV2000YC, JV6000YC

CCIR/PAL version available

#### **PRODUCT SUMMARY**

Model	Description	Matte Level Blk/gry/wht	Line Type Solid/Serrated	Battery Backup	Software Lock
VIDEO POINT	ERS				
JVP	4 directional arrows, built-in joystick controller	Yes	No	No	No
JV5000	4 directional arrows, and 3 different symbols; 2 symbol/arrow sizes*	Yes	No	No	No
VIDEO GENE	RATORS				
JV1000B	Fixed, single cross hair; front panel controls	Yes	Yes	No	No
JV1500	Discontinued				
JV2000	Single or double cross hair*	Yes	Yes	Yes	Yes
JV2000GRD	Single, double cross hair, and grid pattern*	Yes	Yes	No	No
JV3000	3 modes: 3 vertical lines, 3 horizontal lines, and go-/no-go comparator*	Yes	Yes	Yes	Yes
JV3400	4 modes: 4 vertical lines, 4 horizontal lines, and go-/no-go comparator*	Yes	Yes	Yes	Yes
JV3600	2-function comparator, 3 sizable boxes with fixed centered cross hair, and go-/no-go comparator, store and recall 10 patterns*	Yes	No	Yes	No
JV4000	4 sizable squares with a fixed center cross hair*	Yes	Yes	Yes	Yes
JV4100	1 sizable rectangle with movable cross hair*	Yes	Yes	Yes	Yes
VIDEO MICRO	DMETERS				
JV6000	X, Y, and D measurements; 4 calibration settings*	Yes	Yes	Yes	Yes
JV6000T	X, Y, and D measurements; 4 calibration settings; trackball controller	Yes	Yes	Yes	Yes

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