VMU300

APPLICATIONS

- Non Contact Measurement
- Measuring Very Small Dimensions
- Measurements not possible with traditional methods
- Medical Forensics
- Criminal Forensics
- Machine Tool Alignment and sizing
- Quality Control and Industrial Monitoring

ACCURATE MEASUREMENTS: While video can be used to measure any dimension, it is commonly used to measure very small sizes or objects that cannot be measured through traditional methods.

DESIGNED FOR PRECISION: The VMU300 was designed to overcome the non-linearity and precision limitations of analog based units . Calibration data is entered via a keypad offering a far greater range in values.

HORIZONTAL, VERTICAL AND DIAGONAL: Linear measurements in any direction. Can display all three directions or just one or two.

MORE MEMORIES: The VMU300 will remember all settings and line positions when power is removed. There are also ten user memories to store calibrations for multiple magnifications.

METRIC OR ENGLISH: The VMU300 has multiple units of measure that can be displayed for both English and Metric. Custom units may also be entered.

DESIGNED TO WORK THE WAY YOU DO: Menu system allows for extensive display layouts including number of significant digits, decimal display, colors, background and much more. A new feature is password protection which restricts access to the settings and memories. This helps to prevent inadvertent or malicious changes.
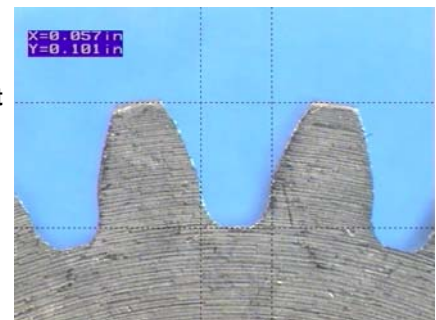
FEATURES

- Password protection for settings included *new!*
- Measures horizontal, vertical or diagonal linear dimensions
- High resolution—1/1280 NTSC and 1/1536 PAL horizontal
- Ten user memories for quick retrieval of stored settings
- Remembers all settings when power is removed
- Wide selection of standard English and Metric units
- Display precision can be adjusted over several digit range
- Independent and tracking modes for cursor control
- Controls can be independently locked to avoid unintentional line movement.
- Line (solid or serrated) or box mode
- Numeric display may be one of eight colors with or without color background and located anywhere on the screen
- Built-in reference color bar generator
- Extensive unit setup via easy to navigate menus
- Very high quality optical encoder controls
- Advanced phase locked loop for high position repeatability
- Composite and S-Video compatible
- Automatically detects NTSC or PAL video sources
- Can operate from +12VDC for mobile applications

FLEXIBLE CONNECTIONS: The VMU300 operates with composite or S-Video signals and will automatically detect whether the input signal is PAL or NTSC. An RGB version (VMU400) is also available.

EASY TO USE: Commonly used functions have dedicated buttons to allow for easier use. Scale factors are entered via a keypad for fast and precise calibration.

BOARD AND CUSTOM PRODUCTS: MicroImage Video Systems offers many of its products, such as the VMU300, as board level for OEM applications. We can create units with custom features and custom designed boards.

MORE INFORMATION? Additional product information, specifications, user manuals and application notes are available on our website, including the latest available features.

MICROIMAGE VIDEO SYSTEMS

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