

VI900 – Multi-axis digital readout, touch screen color LCD

New

- Compact-designed, modern, functional digital readout.
- 5.7" touch-screen color, back-lit LCD TFT panel which allows every single axis to be displayed.
- Up to 4 axes displayed.
- USB, Touch Probe, CAN Bus and serial RS-232 interfaces.
- Touch-screen pen provided.
- Resolutions up to 0.1 μm .
- Diagnostic of readout and optical scales.
- Reading of coded references (in combination with NCS scale).
- High versatility: universal software for any kind of machine tool, upgrade through serial port.
- Program store for 1000 blocks.
- Visualization of function execution. HELP on-line.
- Easy and immediate use of several dedicated functions.
- Option: flush-mounted version (on a panel).

Panel	color, back-lit, 5.7" LCD TFT
Signal input per axis	2 square waves displaced $90^\circ \pm 5^\circ$ and synchronized index
Available resolutions	1000 - 500 - 200 - 100 - 50 - 20 - 10 5 - 2 - 1 - 0.5 - 0.2 - 0.1 μm 1° - 0.5° - 0.2° - 0.1° - 0.05° - 0.02° 0.01° - 0.005° - 0.002° - 0.001°
Digital readout protection	keyboard IP 67 rear panel IP 42
Input axes	2 - 3 - 4
Applicable to	lathe - milling machine - boring machine - etc.
Power supply	230 Vac $\pm 10\%$ - 50/60 Hz 60 mA 110 Vac $\pm 10\%$ - 60 Hz 120 mA 24 Vac $\pm 10\%$ - 50/60 Hz 500 mA
Version	standard or flush-mounted



4-axis version

MAIN FUNCTIONS

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| • LANGUAGE SELECTION | • LINEAR CORRECTION |
| • SELF-TEST | • NON-LINEAR CORRECTION |
| • DEVICE DIAGNOSTIC | • SCALE FACTOR |
| • INVERSION OF COUNTING DIRECTION | • CIRCUMFERENCE CENTER |
| • ABS/INC COUNTING | • MIDPOINT CALCULATION |
| • MM/INCH CONVERSION MODE | • MIRROR IMAGE |
| • RADIUS/DIAMETER CONVERSION | • ROUND FLANGE |
| • VARIABLE RESOLUTION | • SPECIAL ROUND FLANGE |
| • SCALE ZERO REF. | • PROGRAMMING THE MEMORY BLOCKS |
| • MEMORY CLEARING | • CONE INCLINATION CALCULATION |
| • RESETTING/PRESETTING OF A DIMENSION | • AUTOMATIC CONE INCLINATION CALCULATION |
| • ANGULAR READING | • THREAD CALCULATION |
| • SEXAGESIMAL DEGREES READING | • WEIGHT OF MATERIALS CALCULATION |
| • CALCULATOR | • TIP SPEED CALCULATION |
| • AXIS COUPLING | • ANGULAR SPEED CALCULATION |
| • RECALLING OF SPECIAL FUNCTIONS | • SCALE VALUE SET |
| • 100 TOOL OFFSETS | • DISPLAYING AXIS SPEED |
| • 100 ORIGINS OF THE AXIS | • DISPLAYING RECALLED TOOL |
| • SETTING THE TYPE OF SPINDLE ROTATION SPEED | • SERIAL OUTPUT RS-232 |
| • CONSTANT PITCH | • SETTING PRINTING LINE SPACINGS |
| • INCLINED CONSTANT PITCH | • ENABLING THE AUTOMATIC QUOTA TRANSMISSION |

