

## VI700 – Multi-axis digital readout, with LED display

- Compact-designed, modern, functional digital readout.
- Diagnostic of readout and optical scales.
- Resolutions up to 0.5  $\mu\text{m}$ .
- Reading of coded references (in combination with NCS scale).
- Universal software for any kind of machine tool.
- Software upgrade through serial port.
- Program store for 1000 blocks.
- Option: flush-mounted version (on a panel).
- Easy and immediate use of several dedicated functions.

### VI722 – VI723

With 2 displays

<b>Display</b>	7 high-efficiency digits h = 17 mm
<b>Signal input per axis</b>	2 square waves out of phase $90^\circ \pm 5^\circ$ and synchronized index
<b>Available resolutions</b>	200 - 100 - 50 - 20 - 10 - 5 - 2 - 1 - 0.5 $\mu\text{m}$ $1^\circ - 0.5^\circ - 0.2^\circ - 0.1^\circ - 0.05^\circ - 0.02^\circ$ $0.01^\circ - 0.005^\circ - 0.002^\circ - 0.001^\circ$
<b>Readout protection</b>	keyboard IP 67 rear panel IP 42
<b>Input axes</b>	2 - 3
<b>Applicable to</b>	lathe - milling machine - boring machine - etc.
<b>LCD</b>	with LCD / without LCD
<b>Power supply</b>	230 Vac $\pm 10\%$ - 50/60 Hz 50 mA 110 Vac $\pm 10\%$ - 60 Hz 100 mA 24 Vac $\pm 10\%$ - 50/60 Hz 450 mA
<b>Version</b>	standard or flush-mounted



2-axis version

### VI733L – VI734L

With 3 displays and LCD

<b>Display</b>	7 high-efficiency digits h = 17 mm
<b>Signal input per axis</b>	2 square waves out of phase $90^\circ \pm 5^\circ$ and synchronized index
<b>Available resolutions</b>	200 - 100 - 50 - 20 - 10 - 5 - 2 - 1 - 0.5 $\mu\text{m}$ $1^\circ - 0.5^\circ - 0.2^\circ - 0.1^\circ - 0.05^\circ - 0.02^\circ$ $0.01^\circ - 0.005^\circ - 0.002^\circ - 0.001^\circ$
<b>Readout protection</b>	keyboard IP 67 rear panel IP 42
<b>Input axes</b>	3 - 4
<b>Applicable to</b>	lathe - milling machine - boring machine - etc.
<b>Power supply</b>	230 Vac $\pm 10\%$ - 50/60 Hz 50 mA 110 Vac $\pm 10\%$ - 60 Hz 100 mA 24 Vac $\pm 10\%$ - 50/60 Hz 450 mA
<b>Version</b>	standard or flush-mounted



3-axis version with LCD

## VI733 – VI734

With 3 green displays

<b>Display</b>	7 high-efficiency digits h = 17 mm
<b>Signal input per axis</b>	2 square waves out of phase $90^\circ \pm 5^\circ$ and synchronized index
<b>Available resolutions</b>	200 - 100 - 50 - 20 - 10 - 5 - 2 - 1 - 0.5 $\mu\text{m}$ $1^\circ - 0.5^\circ - 0.2^\circ - 0.1^\circ - 0.05^\circ - 0.02^\circ$ $0.01^\circ - 0.005^\circ - 0.002^\circ - 0.001^\circ$
<b>Readout protection</b>	keyboard IP 67 rear panel IP 42
<b>Input axes</b>	3 - 4
<b>Applicable to</b>	lathe - milling machine - boring machine - etc.
<b>LCD</b>	with LCD / without LCD
<b>Power supply</b>	230 Vac $\pm 10\%$ - 50/60 Hz 50 mA 110 Vac $\pm 10\%$ - 60 Hz 100 mA 24 Vac $\pm 10\%$ - 50/60 Hz 450 mA
<b>Version</b>	standard or flush-mounted



3-axis version with green displays

## MAIN FUNCTIONS

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

## FUNCTIONS LCD VERSION (VI700 L)

- LANGUAGE SELECTION
- CONE INCLINATION CALCULATION
- AUTOMATIC CONE INCLINATION CALCULATION
- THREAD CALCULATION
- WEIGHT OF MATERIALS CALCULATION
- TIP SPEED CALCULATION
- ANGULAR SPEED CALCULATION
- SCALE VALUE SET
- DISPLAYING AXIS SPEED
- DISPLAYING RECALLED TOOL