

Vision 700-2



- Compact-design, modern and functional digital readout
- Diagnostic of readout and optical scales (internal cleaning and/or internal defects)
- 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
- Optional: flush-mounted version (on a panel)

Electrical data

Display	2 displays + optional LCD 7 high-efficiency digits h = 17 mm
Available resolutions	200 - 100 - 50 - 20 - 10 - 5 - 2 - 1 - 0.5 μ m 1° - 0.5° - 0.2° - 0.1° - 0.05° - 0.02° - 0.01° - 0.005° - 0.002° - 0.001°
Power supply	230 Vac \pm 10% - 50/60 Hz 110 Vac \pm 10% - 60 Hz 24 Vac \pm 10% - 50/60 Hz
Current consumption	230 Vac - 50 mA _{MAX} 110 Vac - 100 mA _{MAX} 24 Vac - 450 mA _{MAX}
Encoder input per axis	2 square waves, phase displacement 90° \pm 5° + synchronized index 5 Vdc
Maximum input frequency	300 kHz

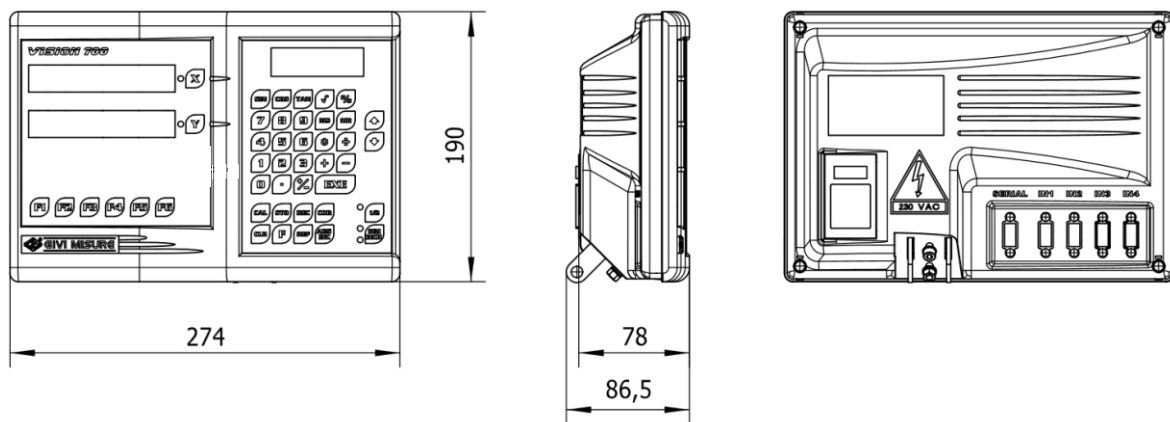
Mechanical data

Weight	~ 1kg
Operating temperature	0° - 50°
Storage temperature	-20° - 70°
Relative humidity	95% (not condensed)
Vibration resistance (EN 60068-2-6)	25 m/s ² [55 - 2000 Hz]
Protection class (EN 60529)	Keyboard IP 67 rear panel IP 42
Applicable to	Lathe - milling machine - boring machine - etc.
Version	Standard or flush-mounted

Main functions

- Self-testing
 - Zero approaching alert
 - Device diagnostic
 - Setting the type of spindle rotation speed
 - Inversion of counting direction
 - Constant pitch
 - Absolute/Incremental counting
 - Variable resolution
 - Scale factor
 - Memory clearing
 - Midpoint calculation
 - Round flange
 - Calculator
 - Programming the memory block
 - Special functions recall
 - mm/inch conversion
 - Linear correction
 - 100 origins of the axes
- LCD Version**
- Language selection
 - Peripheral speed calculation
 - Taper calculation
 - Angular speed calculation
 - Automatic taper calculation
 - Scale factor displaying
 - Threads calculation
 - Axes speed displaying
 - Material weight calculation

Dimensions



Ordering example

Example: COUNTER VI7 2 3 TO L 230V 0 10

Model	Displayed axes	Input axes	Machine type	LCD	Power supply	Version	Resolution
VI7	2	3	TO	L	230V	0	10
	2 = 2 axes 3 = 3 axes	2 = 2 axes 3 = 3 axes 4 = 4 axes		L = with LCD N = without LCD	230V = 230 Vac 110V = 110 Vac 24V = 24 Vac		10 = 0,1 mm 100 = 0,01 mm 5 = 0,005 mm 1 = 0,001 mm
			IN = any type TO = lathe FR = miller			0 = standard red 1 = flush-mounted red 4 = standard green 5 = flush-mounted green	