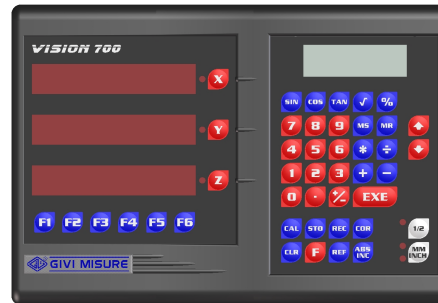


Codice ST04	Progetto A32	Revisione A	Title PRODUCT INFORMATION
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DESCRIPTION: DIGITAL READOUT VI700

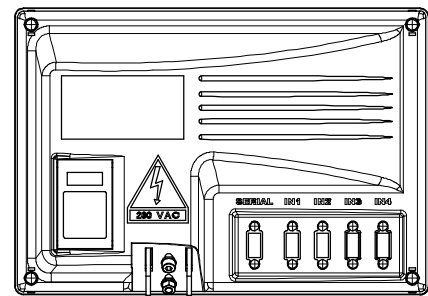
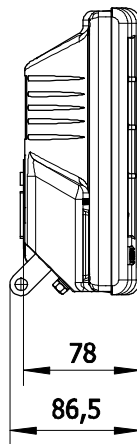
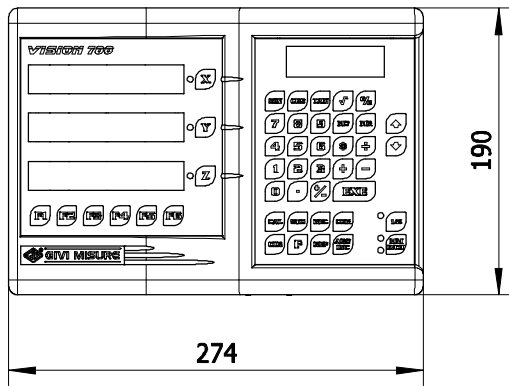
GENERAL FEATURES

- Compact designed 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



MECHANICAL AND ELECTRICAL FEATURES

Available resolutions	200 - 100 - 50 - 20 - 10 - 5 - 2 - 1 - 0.5 μm 1° - 0.5° - 0.2° - 0.1° - 0.05° - 0.02° - 0.01° - 0.005° - 0.002° - 0.001°
Power supply	230 Vac ± 20% - 50/60 Hz / 110 Vac ± 20% - 60 Hz
Axis display	7 high efficiency digits H= 17 mm
Signals input	2 square waves, phase displacement 90° ± 5° + synchronized index
Maximum input frequency	250KHz
Operating temperature	0 ÷ 50°C
Storage temperature	-20° ÷ 70°C
Humidity	95% not condensed
Vibration resistance	[55Hz÷2KHz] at 25m/s ²
Environmental sealing	IP 40 according to DIN 40050
Weight	≈1Kg



ORDERING CODE

MODEL	DISPLAYED AXIS	INPUT AXIS	TYPE OF MACHINE	LCD	POWER SUPPLY	USAGE	RESOLUTION
VI7	2	2	IN	L	230	0	100

VI7

2 = 2 axis
3 = 3 axis

2 = 2 axis
3 = 3 axis
4 = 4 axis

IN = ANY TYPE
TO = LATHE
FR = MILLER

L = with LCD
N = without LCD

230Vac 50Hz
110Vac 60Hz

0 = Std. red
1 = Flush-mounted red
4 = Std. green
5 = Flush-mounted green

10 = 0,1 mm
100 = 0,01 mm
5 = 0,005 mm
1 = 0,001 mm
.....

Codice	Progetto	Revisione	Title
ST04	A32	A	PRODUCT INFORMATION

LIST OF FUNCTIONS

F 0 EXE	DELETING STORED DATA	
F 9 EXE	SETTING PRINTING LINE SPACINGS	
F 26 EXE	CONSTANT STEP	
F 28 EXE	SUMMING FOR TWO AXIS	
F 30 EXE	LINEAR CORRECTION	
F 31 EXE	NOT LINEAR CORRECTION (10 POINTS)	
F 32 EXE	SCALE FACTOR	
F 34 EXE	RADIUS/DIAMETER CONVERSION	
F 36 EXE	VARIABLE RESOLUTION	
F 37 EXE	ANGULAR READING IN DEGREES, MINUTES AND	
F 38 EXE	CHOICE OF ANGULAR READING MODE	
F 44 EXE	CALCULATING THE TAPER	LCD
F 46 EXE	AUTOMATIC CALCULATING THE TAPER	LCD
F 48 EXE	CALCULATING THREADS	LCD
F 50 EXE	CALCULATING THE WEIGHT OF MATERIALS	LCD
F 52 EXE	CALCULATING THE TIP SPEED	LCD
F 54 EXE	CALCULATING THE ANGULAR SPEED	LCD
F 55 EXE	ENABLING THE AUTOMATIC QUOTA TRANSMISSION	LCD
F 64 EXE	CIRCULAR FLANGE	
F 66 EXE	SPECIAL CIRCULAR FLANGE	
F 68 EXE	INCLINED CONSTANT PITCH	
F 70 EXE	PROGRAMMING THE MEMORY BLOCKS	
F 72 EXE	CENTER OF A CIRCUMFERENCE	
F 74 EXE	SPECULAR IMAGE	
F 78 EXE	SCALE VALUE SET	LCD
F 80 EXE	AXIS SPEED DISPLAYING	LCD
F 81 EXE	DISPLAYING RECALLED TOOL	LCD
F 89 EXE	DEVICE DIAGNOSTIC	
F Z	DISPLAYING W AXIS	
STO...	100 TOOL OFFSETS	
F REF	100 ORIGINS OF THE AXIS	
F nn Fn	RECALLING OF SPECIAL FUNCTION (F1-F6)	
F 98718 EXE	IMPOSTAZIONE TIPO VELOCITA' ROTAZ. MANDRINO	
F 98762 EXE	LANGUAGE SELECTION	LCD
CAL	CALCULATOR	
	REVERSAL OF COUNTING DIRECTION	
	RULER ZERO REFERENCE (rEF)	
	SELF-TESTING	
	ABSOLUTE/INCREMENTAL COUNTING	
	RESETTING/PRE-SETTING A VALUE	
	MM/INCH CONVERSION	
	MIDDLE POINT	
	SERIAL OUTPUT RS-232	

WARNING!!

WHAT TO AVOID

1. All mechanic reworks /Cut, Drilling, Face milling a.s.o.).
2. All mishandling.
3. Impacts and external stress.
4. Exposed to external magnetic fields

