ME800 – Multi-axis digital readout, with auxiliary LCD display

- Up to 3 axes displayed, up to 4 input axes.
- Auxiliary back-lit LCD display.
- 7-digit main display h = 17 mm.
- Variable resolution, selectable up to 0.5 µm.
- Tactile watertight front keyboard, protected against electrostatic discharges.
- Easy and immediate use thanks to dedicated keys and coded functions.
- Acoustic and visual signals guiding the operator.
- Excellent operational reliability.
- High versatility: applicable to different types of machine-tools, since it is keyboard-programmed.
- Options available, such as relay outputs and serial output.
- Special cover made of shockproof expanded tecnopolymer with conductive treatment for protection against interference.
- Circuit engineered in order to eliminate any kind of harness or hard wiring.
- Strict selection of components after at least 1000 h of BURN-IN cycles.

ME822 – ME823 With 2 displays

Display	7 high-efficiency digits h = 17 mm
Input axes	2 - 3
Applicable to	lathe - milling machine - boring machine - etc.
Signal input per axis	2 square waves out of phase 90° ± 5° and zero ref.
	5 Vdc or 12 Vdc
Power supply	230 Vac ± 10% - 50/60 Hz 30 mA
	110 Vac ± 10% - 60 Hz 60 mA
	24 Vac ± 10% - 50/60 Hz 300 mA
Memory	**permanent** for configuration and special functions
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°
Protection class	keyboard IP 67 rear panel IP 42
Options	relay outputs (1/2/3)
	serial output RS-232
	standard autonomy battery 1.5 h
	double autonomy battery 3 h
	constant cut output

2-axis version

All the instrumentation is power supplied and undergoes a burn-in process, for at least 1000 h, at 50°C. Inside the instrument, the apex temperature is 70÷75°C.

ME833 – ME834 With 3 displays

Display	7 high-efficiency digits h = 17 mm
Input axes	3 - 4
Applicable to	lathe - milling machine - boring machine - etc.
Signal input per axis	2 square waves out of phase 90° ± 5° and zero ref.
	5 Vdc or 12 Vdc
Power supply	230 Vac ± 10% - 50/60 Hz 30 mA
	110 Vac ± 10% - 60 Hz 60 mA
	24 Vac ± 10% - 50/60 Hz 300 mA
Memory	**permanent** for configuration and special functions
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°
Protection class	keyboard IP 67 rear panel IP 42
Options	relay outputs (1/2/3)
	serial output RS-232
	standard autonomy battery 1.5 h
	double autonomy battery 3 h
	constant cut output

3-axis version

MAIN FUNCTIONS

- SELF-TEST/MANUAL TEST
- MIDPOINT CALCULATION
- MEMORY CLEARING
- CONSTANT PITCH
- INVERSION OF COUNTING DIRECTION
- RESETTING/PRESETTING OF A DIMENSION
- MM/INCH CONVERSION MODE
- ANGULAR READING
- SEXAGESIMAL DEGREES READING
- ABS/INC COUNTING
- SCALE ZERO REF.
- 100 OFFSET TOOL SELECTION
- VARIABLE RESOLUTION
- RADIUS/DIAMETER CONVERSION
- SCALE FACTOR
- LINEAR CORRECTION
- AXIS COUPLING
- CALCULATOR

SPECIAL FUNCTIONS

- LANGUAGE SELECTION
- ROUND FLANGE
- WEIGHT OF MATERIALS CALCULATION
- CIRCUMFERENCE CENTER
- MIRROR IMAGE
- 100 ORIGINS
- CONE INCLINATION CALCULATION
- THREAD CALCULATION
- TIP SPEED CALCULATION
- ROTATION SPEED CALCULATION
- RELAY OUTPUT
- SERIAL OUTPUT RS-232
- CONSTANT CUT