

ME510 – Single-axis digital readout

- Up to 6 digits displayed, with floating decimal point.
- Resolutions up to 1 μm .
- Internal rewritable memory (no buffer battery required).
- Correction factor, midpoint calculation, relay output and many other functions available.
- Applicable on several machine-tools performing cuttings or machining at a preset size, polishing, bending, grinding, straightening, etc., in several sectors, such as: wood, sheet metal, marble, textile, rubber, etc. processing machines.

ME510

Standard version

Display	6 high-efficiency digits h = 17 mm
Signal input	2 square waves out of phase $90^\circ \pm 5^\circ$ and zero ref. 5 Vdc or 12 Vdc
Power supply	230 Vac $\pm 10\%$ - 50/60 Hz 30 mA 110 Vac $\pm 10\%$ - 60 Hz 60 mA 24 Vac $\pm 10\%$ - 50/60 Hz 300 mA
Memory	permanent for configuration and "user" settings (last data operating memory)
Available resolutions	100 - 50 - 20 - 10 - 5 - 2 - 1 μm 1° - 0.5° - 0.2° - 0.1° - 0.05° - 0.02° - 0.01°



ME510 UR2 – ME510 S

Version with options

Display	6 high-efficiency digits h = 17 mm
Signal input	2 square waves out of phase $90^\circ \pm 5^\circ$ and zero ref. 5 Vdc or 12 Vdc
Power supply	230 Vac $\pm 10\%$ - 50/60 Hz 30 mA 110 Vac $\pm 10\%$ - 60 Hz 60 mA 24 Vac $\pm 10\%$ - 50/60 Hz 300 mA
Memory	permanent for configuration and "user" settings (last data operating memory)
Available resolutions	100 - 50 - 20 - 10 - 5 - 2 - 1 μm 1° - 0.5° - 0.2° - 0.1° - 0.05° - 0.02° - 0.01°
Options	serial output RS-232 relay output static relay AC - static relay DC



MAIN FUNCTIONS ME510

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|---------------------------------------|-----------------------------------|
| • SELF-TEST | • INVERSION OF COUNTING DIRECTION |
| • PRESETTING LOAD QUOTA | • MIDPOINT CALCULATION |
| • RESETTING/PRESETTING OF A DIMENSION | • SETTING LOAD QUOTA |
| • VARIABLE RESOLUTION | • MEMORY CLEARING |
| • MM/INCH CONVERSION MODE | • LINEAR CORRECTION |
| • ABS/INC COUNTING | • ANGULAR READING |
| • SCALE ZERO REF. | • RELAY OUTPUT ACTIVATION (opt.) |
| • DISABLING OF SCALE ZERO REF. | • SETTING OF RELAY QUOTA (opt.) |
| • COUNTING MODE | |