ME518 – Single-axis digital readout, with 7-digit display

- Up to 7 digits displayed, with floating decimal point.
- Resolutions up to 0.5 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.

ME518 — Standard version

Display	7 high-efficiency digits h = 13 mm
Signal input	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 "user" settings
	(last data operating memory)
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°

ME518 *UR2* – ME518 *S* — Version with options

Display	7 high-efficiency digits h = 13 mm
Signal input	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 "user" settings
	(last data operating memory)
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°
Options	serial output RS-232
	relay output
	static relay AC - static relay DC

MAIN FUNCTIONS ME518

- SELF-TEST
- PRESETTING LOAD QUOTA
- RESETTING/PRESETTING OF A DIMENSION
- VARIABLE RESOLUTION
- MM/INCH CONVERSION MODE
- ABS/INC COUNTING
- SCALE ZERO REF.
- DISABLING OF SCALE ZERO REF.
- COUNTING MODE
- INVERSION OF COUNTING DIRECTION

- RADIUS/DIAMETER CONVERSION
- MIDPOINT CALCULATION
- SETTING LOAD QUOTA
- MEMORY CLEARING
- LINEAR CORRECTION
- ANGULAR READING
- RELAY OUTPUT ACTIVATION (opt.)
- SETTING OF RELAY QUOTA (opt.)
- SEXAGESIMAL DEGREES READING