



# ELAPCM 78

## MICROPROCESSOR

## COUNTER

## DISPLAY

Combined to appropriate transducers (encoders or PD linear transducers), CM78 solves all problems tied to counting and displaying of length or tickness measure, as well as of machined pieces number, which can arise on any type of manufacturing machine. CM78 offers several different application possibilities: in addition to all machines performing cuttings or machining at a preset size, CM78 can be applied in various sectors, from the food sector (e.g. machines for pasta plants to predetermine the quantity of product to work), to the wood sector (e.g. honing machines to check the panel thickness), from steel sheets (e.g. presses to display the ram position or benders to indicate distance between rollers), to the glass (e.g. grinding machines for thickness control), marble (e.g. edge polisher to preset the operation of one head), to the fabric sector (e.g. finishing machines for meter counting with total and partial count). CM78 displays up to a maximum of 6 figures, with decimal point which can be set according to the need. Data saving at instrument turning off is assured on internal re-writable memory and no buffer battery is therefore required. A correcting factor of the input pulses can be set to obtain the display always matching the actual movements of the machine. Combinable transducers can be: an incremental rotary or linear, mono or bi-directional encoder or a self-amplified inductor, or two inductors 90 electrical degrees out of phase **Complying with CE standards**

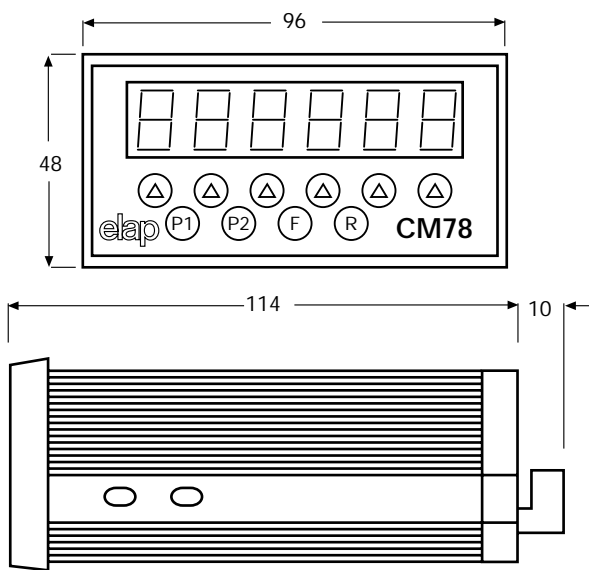
### SOFTWARE VERSION

- Two-preset programmable electronic counter
- Programmable electronic counter/display with two settable thresholds (software stroke limiter functions) and measurement unit, settable at input (millimeters/inches)
- Programmable electronic counter/display with two settable thresholds and control of one zero encoder pulse
- Programmable electronic counter/display with partial/total count control, two preset positions and serial interface RS232, for data exchange with PC or fro printing

Moreover software for the customers' special applications can be developed on the instruments basic hardware.

One of CM78 most important characteristics is the possibility it offers to select the working model in a very simple way; the operation can be performed by the user himself.

### DIMENSIONS



PANEL CUT OFF 92x45 mm

### TECHNICAL CHARACTERISTICS

- 6 figures displayed or 5 with negative sign
- 24 or 10 or 220 Vac supply, 50/60 Hz
- Count input for NPN open collector signals
- 40 KHz direct count max frequency
- 2 normally-open relay outputs, 3 A max I, 220 V max V, 50 Hz
- 2 auxiliary inputs
- Sectable decimal number
- Pulse correction factor at input
- Serial interface RS232 or RS485 (optional)
- Data storage at turning off on re-writable memory (EEPROM)
- Removable terminal box connections
- Front dimension: 48 x 96 mm; depth 114 mm

VARIATIONS ADMITTED WITHOUT NOTICE



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