

## CM78

### Microprocessor Multifunction Counter/Visualiser

- 6 displayed digits
- 2 settable presets
- supply 115 or 230 or 24Vac, 50/60Hz (to be defined in the order)
- functioning modes are freely settable by the user: decimal point position, correcting factor of the input pulses
- for counters only: single or repeat cycle, up- or down-counter, steady or timed outputs
- **H1**: on/off output   **H2**: analogue output   **H3**: on/off output and analogue input
- Dimensions: mm 96x48 Dept: **H1** mm 105   **H2-H3** mm 138

<i>Hardware</i>	<i>Softw.</i>	<i>Functions</i>
<b><i>Counter Versions</i></b>		
CM78H1	S001	Two settable presets counter
CM78H1	S006	Like S001 with correcting factor ranging from 0.1 to 9.99999 sec.
CM78H1	S008	Counter with total/partial functioning mode
CM78H1	S013	2-preset counter - preset 1 enabled by input
CM78H1	S020	Microprocessor counter with partial/total function
CM78H1X12	S026	Preset counter with deceleration and stop outputs, possibility to be coupled to a cycle counter - Always with HDW version X12*
CM78H1	S027	1-preset counter with relay output and switch contact
CM78H1X12	S032	Preset counter like S026 with setup under key- HDW versX12*
CM78H1	S041	Counter like S006 with parameter P2 under key
<b><i>Visualiser Versions</i></b>		
CM78H1	S002	Two settable thresholds visualizer
CM78H1	S004	Two settable thresholds visualizer with optical scale zero pulse manager
CM78H1	S005	Two settable thresholds visualizer with encoder zero pulse manager
CM78H1	S007	Like S002 with correcting factor ranging from 0.1 to 9.99999 sec.
CM78H1	S012	Preset measure visualizer with correcting factor and LOAD input by keyboard or input
CM78H1	S017	Visualizer - absolute/relative from keyboard - unit from the input signal - 2 settable thresholds
CM78H1	S018	Preset measure visualizer like S012 with correcting factor range 0.1 to 9.99999
CM78H1	S022	Display of degrees and tenths, input by bidir.encoder 900 ppr
CM78H1	S028	Preset measure visualiser with blade thickness, load, mm/inch
CM78H1	S030	Visualiser like S002 with reset from keyboard
CM78H1	S031	Visualiser like S002 with correcting factor range 0.1÷9.99999 and load from keyboard
CM78H1	S034	Visualiser like S017 with front load
CM78H1	S035	Visualiser with dividing factor by 10/100/1000
CM78H1	S040	Visualiser with two settable thresholds + learning and stroke limiters
CM78H1	S042	Visualiser like S007 with parameter P2 under key
<b><i>Digital Potentiometer</i></b>		
CM78H2	S025	Displayed digital potentiometer with two settable thresholds, analogue output 0/10V or ±10V

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<i>Hardware</i>	<i>Softw.</i>	<i>Functions</i>
		<b><i>Visualisers with analogue input</i></b>
<b>CM78H3</b>	<b>S014</b>	Visualizer with two settable thresholds and analogue input (potentiometric transducer, voltage, currents)
<b>CM78H3</b>	<b>S016</b>	Like S014, but stroke limiters are not modified by the display range variation
<b>CM78H3</b>	<b>S047</b>	Relative/absolute display with two settable thresholds
		<b><i>Tachometer Versions</i></b>
<b>CM78H1</b>	<b>S019</b>	Microprocessor tachometer with settable time base; indication of the ration between two speeds
<b>CM78H1</b>	<b>S021</b>	Double tachometer, percent slip between 2 speeds, 2 settable thresholds on the ratio between 2 speeds, possibility to disable the min.threshold
<b>CM78H1</b>	<b>S023</b>	Microprocessor tachometer with possibility to select working with indication V1 or V2 or ratio V2/V1 or percentage shift. Two thresholds on the displayed selection with relay outputs.
<b>CM78H1</b>	<b>S045</b>	Like S023 with display block
		<b><i>Tachometer for Low Frequencies</i></b>
<b>CM78H1X24</b>	<b>S048</b>	Pulses/minute speed indicator with correcting factor for the out-of-range calibration, without thresholds
<b>CM78H1</b>	<b>S049</b>	Pulses/minute speed indicator with correcting factor for the out-of-range calibration, with two thresholds

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