

MATP – Converter for pulses

◆ Specifications ◆

Accuracy: $\pm 0.25\%$ F.S.

Power supply: 110 / 220 VAC, 12 / 24 VDC

Inputs: Table 1

Model	Input signal	Input resistance
MATP-CDC	4-20mA	$R_{in} < 20\Omega$
MATP-VDC	0-60mV	$R_{in} > 1M\Omega$
	0-10VDC	

Outputs: Table 2

Code	Output
-R	C/O contact 220V/5A
-OC	Transistor O.C.
-IOC	Isolated by optocoupler
P	Pulses 24V

Display: Two LED-s: **green** blinks when power and input signal exist, **red** indicates pulse at output.

Operating Temp.: $0 \div +50^\circ\text{C}$.

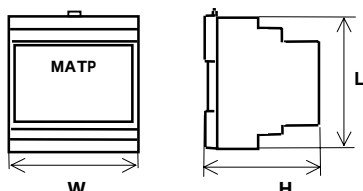
Enclosure: W70 X L90 X H73 mm plastic case.

Mounting: 35mm DIN-rail.

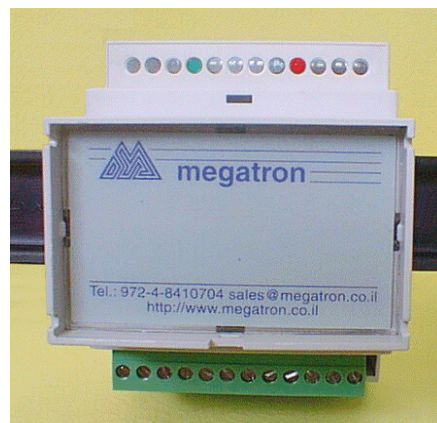
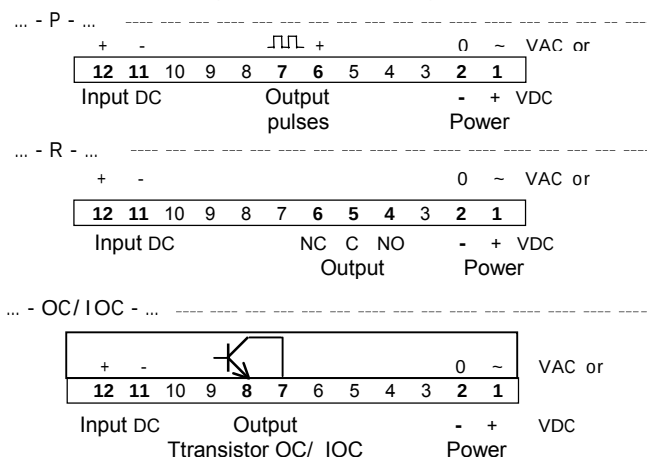
Connection: Plug-in terminal (12 pins).

Protection category: IP-40.

◆ Dimension ◆



◆ Connection ◆



◆ Description ◆

MATP converts analog input signal (current or voltage) to pulses output.

Output frequency is adjusted according to customer requirements (for example:

60 pulses/hour – output frequency is 0.0166Hz).

Pulses width:

Frequency	Width
< 0.5Hz	1 sec
> 0.5Hz or for special order	Duty Cycle 50%

Applications

- A/h accumulation. In this case the unit connects to a shunt which converts the current to voltage (for example: 100A to 60mV).
- Water consumption (m³/h) accumulation. In this case the unit receives 4-20mA from a flowmeter and produces pulse for every m³ (or another value).
- Analog signal to pulses (0.01Hz ... KHz) conversion.
- Pulses for dosage pump 0-180ppm.

◆ Calibration ◆

The unit is calibrated according to customer requirements.

◆ Order ◆

Model (Table 1)	Code (Table 2)	Input voltage	Power
Examples:			
MATP – CDC	- OC	-	110VAC
MATP - VDC	- R	- 0-60mV	- 220VAC
MATP – CDC	- P	-	24VDC

MATP -P-1-06-E

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