

## YASKAWA ELECTRIC CORPORATION

### Pulse Input Module MTP2900

#### Features

- The MTP2900 module is a pulse input module of 32 bits counting the pulse output of the pulse outbreak machinery such as rotary encoders.
- Every channel can choose the pulse input method among A/B method, UP/DOWN method and sign method by setting parameter.

Model: JEMC-MTP2900-E (MTP2900)



MTP2900

#### Specifications

Item		Specifications
Pulse Input	Number of Channels	2
	Input Circuit (Selected by software)	5-V differential: 4-MHz response frequency (RS-422, not isolated) 12 V: 120-kHz response frequency (12 V, 7 mA, current source mode input, and photocoupler isolation)
	Input Method	A/B (1, 2, or 4 multipliers), UP/DOWN (1 or 2 multipliers), and sign (1 or 2 multipliers)
	Counter Functions	Reversible counter, interval counter, and frequency measurement
	Maximum Frequency	4 MHz with 5-V differential input (16 MHz with 4 multipliers)
	Coincident Output	2 points, 24 V, 50 mA current sink mode output, and photocoupler isolation
	DO Output	2 points, 24 V, 50 mA, current sink mode output, and photocoupler isolation (zone output, speed-coincidence output, and frequency-coincidence output)
PI Latch Input	2 points, 24 V, source mode input, and photocoupler isolation	
Input Method	Sign, UP/DOWN and A/B pulse	
Module Power supply	24 VDC (20.4 V to 28.8 V), 500 mA max.	
Dimension	46mm(W) × 130mm(H) × 108mm(D)	

#### MECHATROLINK specifications

M-III	
Profile	Standard I/O
Data size	64byte
Transmission cycle	125μs, 250μs, 500μs, 1ms to 8ms (multiple of 0.5ms)

Note: The MTP2900 works as a multi-slave.

#### Contact Information

Please access [YASKAWA website \(Please click. Then you can access.\)](#)

YASKAWA has sales and after-sales service all around the world.

America: U.S.A., Brazil, Canada, Mexico

Asia Pacific: China, Korea, Taiwan, Singapore, India

Europe: Germany, Sweden, Israel, Italy, France, Spain, Finland, Netherlands, Slovenia, Czech republic, Turkey