

ORDERING INFORMATION

Model : M2XRP2

PLEASE FILL IN THIS SECTION



Model
Company
Name
P/O No.

FACTORY USE ONLY

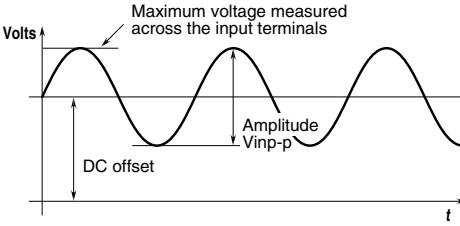


Job No.	Approved by: (Sales office)
Ser No. -	
Sales	Issued by: (Sales office)

Configurable with internal DIP switches and PC configuration software.
Please use this sheet to specify how you need to configure the transmitter for shipping.

■ INPUT SETTING PARTICULAR TO EACH INPUT TYPE

For B voltage pulse, fill in with setting value. (For A and J, selectable parameter is not available.)

ITEM	SET VALUE	STANDARD	COMMENTS
PULSE SENSING	<input type="checkbox"/> Capacitor coupled <input type="checkbox"/> DC coupled ¹	DC coupled	Detecting level for the capacitor coupling must be 0V.
PULSE AMPLITUDE *1	V p-p	MUST BE SPECIFIED	The information is important to accurately understand the type of input waveform. Refer to the table 1 for available pulse amplitude range. *1. Explanations of terms with using a sine waveform. 
DC OFFSET*1	V		
DETECTING LEVEL	----	2V	We will set to an appropriate value based on the information on the pulse sensing type, pulse amplitude and DC offset.
NOISE FILTER	----	None	We configure noise filter upon input frequency specified by user.

[Table 1]

PULSE AMPLITUDE RANGE	MAX. VOLTAGE AT INPUT TERMINALS
10 – 30 Vp-p	30 V
5 – 10 Vp-p	10 V
1 – 5 Vp-p	5 V
0.1 – 1 Vp-p*2	0.5 V

*2. Input frequency ±50kHz.

INPUT SETTING COMMON TO ALL INPUT TYPES

Fill in blank sections or mark with if necessary.

ITEM	SET VALUE	STANDARD	COMMENTS															
INPUT PULSE TYPE	<input type="checkbox"/> Two-phase pulse <input type="checkbox"/> Single-phase pulse	Two-phase pulse																
FREQUENCY RANGE	<input type="checkbox"/> 0 – 10 mHz (With) <input type="checkbox"/> 0 – 100 mHz (With) <input type="checkbox"/> 0 – 1 Hz (With) <input type="checkbox"/> 0 – 10 Hz (Without) <input type="checkbox"/> 0 – 100 Hz (Without) <input type="checkbox"/> 0 – 1 kHz (Without) <input type="checkbox"/> 0 – 10 kHz (Without) <input type="checkbox"/> 0 – 100 kHz (Without)	0 – 1 kHz (Without)	Maximum frequency 200 kHz. Choose 100 kHz range to set the zero/span frequencies lower than -100 kHz (higher than 100 kHz in the reverse direction) or higher than 100 kHz (higher than 100 kHz in the forward direction). Noise filter is indicated in the parantheses.															
CALIBRATED ZERO FREQUENCY (fz)	Hz	0 Hz	Specify within the selected frequency range. $-\text{[max. selected frequency range]} \leq fz < fs$															
CALIBRATED SPAN FREQUENCY (fs)	Hz	1000 Hz	Specify within the selected frequency range. $fz < fs \leq \text{[max. selected frequency range]}$ Minimum span 10% of the max. selected frequency range required.															
LOW-END CUTOUT FREQUENCY (fc)	(mHz / Hz / kHz)	0 Hz	$fz < fc \leq fz$ Frequency unit of the selected frequency range is used. 0 Hz is output when the input frequency goes below the cutout frequency. Hysteresis (deadband) is fixed at 1% of the calibrated zero frequency, and it is cancelled when the cutout frequency equals to 0.															
MOVING AVERAGE	Samples	1	Specify how many samples should be used to calculate the moving average. Selectable range depends upon the input frequency range. Used number of data for moving average is (setting value) x (coefficient). <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>INPUT FREQUENCY RANGE</th> <th>SETTABLE RANGE</th> <th>COEFFICIENT</th> </tr> </thead> <tbody> <tr> <td>0 to ≤ 100 HZ</td> <td>1 to 255</td> <td>1</td> </tr> <tr> <td>0 to 1 kHz</td> <td>1 to 25</td> <td>10</td> </tr> <tr> <td>0 to 10 kHz</td> <td>1 to 2</td> <td>100</td> </tr> <tr> <td>0 to 200 kHz</td> <td>1</td> <td>250</td> </tr> </tbody> </table>	INPUT FREQUENCY RANGE	SETTABLE RANGE	COEFFICIENT	0 to ≤ 100 HZ	1 to 255	1	0 to 1 kHz	1 to 25	10	0 to 10 kHz	1 to 2	100	0 to 200 kHz	1	250
INPUT FREQUENCY RANGE	SETTABLE RANGE	COEFFICIENT																
0 to ≤ 100 HZ	1 to 255	1																
0 to 1 kHz	1 to 25	10																
0 to 10 kHz	1 to 2	100																
0 to 200 kHz	1	250																

OUTPUT SETTING

Select the output type among Z1, V1 and V2. Fill in blank sections or mark with if necessary.

ITEM	SET VALUE	STANDARD	COMMENTS
<input type="checkbox"/> Z1: Current output (Output range: 0 – 20mA DC)			
OUTPUT AT ZERO FREQUENCY (fz)	mA	4mA DC	Specify 0% output
OUTPUT AT SPAN FREQUENCY (fz)	mA	20mA DC	Specify 10+0% output Minimum span 1mA required
<input type="checkbox"/> V1: Voltage output, narrow spans (Output range: -2.5 – +2.5V DC)			
OUTPUT AT ZERO FREQUENCY (fz)	V	0V DC	Specify 0% output.
OUTPUT AT SPAN FREQUENCY (fz)	V	1V DC	Specify 100% output. Minimum span 250mV required.
<input type="checkbox"/> V2: Voltage output, wide spans (Output range: -10 – +10V DC)			
OUTPUT AT ZERO FREQUENCY (fz)	V	1V DC	Specify 0% output.
OUTPUT AT SPAN FREQUENCY (fz)	V	5V DC	Specify 100% output. Minimum span 1V required.