

ORDERING INFORMATION

MODEL : M3LPA2

PLEASE FILL IN THIS SECTION	
Model	
Company	
Name	
P/O No.	

M-SYSTEM USE ONLY	
Job No.	
Ser No.	—
Sales	
Inspected by :	
Inspected by :	

Configurable with internal DIP switches and PC configuration software.
Please use this sheet to specify how you need to configure the transmitter for shipping.
Fill in blank sections or mark ☐ with ☒ if necessary.

■ INPUT SETTING

• INPUT SETTING

Select the input type among the listed below.

ITEM	SET VALUE	STANDARD	COMMENTS
<input type="checkbox"/> Open Collector/Mechanical Contact			
Noise filter	<input type="checkbox"/> Large <input type="checkbox"/> Small <input type="checkbox"/> W/O	W/O	Select the filter as listed in 'frequency range' section.
<input type="checkbox"/> Voltage pulse			
Pulse sensing	<input type="checkbox"/> Capacitor coupled <input type="checkbox"/> DC coupled	DC coupled	Detecting level for the capacitor coupling must be 0V.
Amplitude range (MAX. Voltage across the input terminals)	<input type="checkbox"/> 50 - 100Vp-p (100V) <input type="checkbox"/> 25 - 50Vp-p (50V) <input type="checkbox"/> 10 - 25Vp-p (25V) <input type="checkbox"/> 5 - 10Vp-p (10V) <input type="checkbox"/> 1 - 5Vp-p (5V) <input type="checkbox"/> 0.5 - 1Vp-p (1V) <input type="checkbox"/> 0.1 - 0.5Vp-p (0.5V)*1	1~5Vp-p	Select the amplitude range so that the voltage measured across the input terminals (the pulse amplitude with DC offset) remains below the maximum limit indicated in parentheses.*2
Pulse amplitude*2	Vp-p	—	The information is important to accurately understand the type of input waveform. Refer to 'Amplitude range' explained above.
DC offset*2	V	—	
Detecting level	—	—	M-System will set to an appropriate value based on the information on the pulse sensing type, pulse amplitude and DC offset.
Noise filter	<input type="checkbox"/> Large <input type="checkbox"/> Small <input type="checkbox"/> W/O	W/O	Select the filter as listed in 'frequency range' section.
<input type="checkbox"/> Two-wire current pulse			
Pulse sensing	<input type="checkbox"/> Capacitor coupled <input type="checkbox"/> DC coupled	DC coupled	Detecting level for the capacitor coupling must be 0V.
Pulse amplitude*2	mAp-p	—	The information is important to accurately understand the type of input waveform. Refer to 'AMPLITUDE RANGE' explained above.
DC offset*2	mA	—	
Detecting level	—	—	M-System will set to an appropriate value based on the information on the pulse sensing type, pulse amplitude and DC offset.
Noise filter	<input type="checkbox"/> Large <input type="checkbox"/> Small <input type="checkbox"/> W/O	W/O	Select the filter as listed in 'frequency range' section.

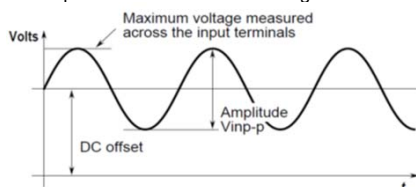
☐ RS-422 line driver pulse

• INPUT SETTING COMMON TO ALL INPUT TYPES

Frequency range	<input type="checkbox"/> 0 - 10Hz (Large) <input type="checkbox"/> 0 - 100Hz (Small) <input type="checkbox"/> 0 - 1kHz (Without) <input type="checkbox"/> 0 - 10kHz (Without) <input type="checkbox"/> 0 - 100kHz*3 (Without)	0~100kHz	For the mechanical contact input, only 0 - 10 Hz range is selectable. Noise filter is indicated in the parentheses.
Calibrated zero frequency (fz)	Hz	0Hz	Specify within the selected frequency range. 0 Hz ≤ fz < fs
Calibrated zero frequency (fs)	Hz	100kHz	Specify within the selected frequency range. fz < fs ≤ [max. selected frequency range] Minimum span 10% of the max. selected frequency range required. For the mechanical contact input, the input frequency is limited to 10 Hz max.
Cut-out	%	Disable Cut-out	Selectable range: 0.00~100.00% or Disable Cut-out.
Xfer Function	<input type="checkbox"/> Linear <input type="checkbox"/> Special curve	Linear	For a Special curve, please provide with a conversion table.
Moving Ave.		1	Specifies the number of samples to be averaged. Selectable range: 1-8
Sampling time		0.05 sec.	Selectable range: 0.05~100sec.
Excitation voltage	<input type="checkbox"/> 4V <input type="checkbox"/> 8V <input type="checkbox"/> 12V	12V	Choose from the list to the left.

*1 Max. frequency limited to 50 kHz.

*2 Explanations of terms with using a sine waveform



*3 The maximum frequency range is 0 - 200kHz on M3LPA2.

■ OUTPUT SETTING

ITEM		SET VALUE	STANDARD	COMMENTS
Output range	Output 0%		4mA	Choose from Table 5.
	Output 100%		20mA	

■ OTHER SETTINGS

Configuration mode	<input type="checkbox"/> DIP SW	/A: PC	PC setting is usable only with M3Lx-x/A.
	<input type="checkbox"/> PC	/B: DIP SW	
Front control button lock	<input type="checkbox"/> Unlock	Unlock	PC Configuration is not disabled when the front control button function is locked.
	<input type="checkbox"/> Lock		

Remark: The ex-factory setting as shown above can be changed when the power supply is turned on after the DIP switches have been re-configured.