

METS2-10 series

SLIDER ELECTRIC CYLINDER (WITHOUT MOTOR)



Environment	Standard	Servo motor	100W / 200W
Actuation type	Ball screw	Guide type	Linear guide

Specification

Model	METS2-10		
Positioning repeatability (mm)	±0.01		
Lead (mm)	5	10	20
Max. speed (mm/s)	250	500	1000
Stroke (mm)	100~1000 / 50 pitch		
Ball screw O.D. (mm)	C7 ø16		
Slot-type photomicro sensor	RLT (Please refer to page 5-16)		

AC servo motor	100W			
Coupling (mm)	10×8			
Max. payload	Horizontal (kg)	50	30	18
	Vertical (kg)	12	8	3
Rated thrust (N)	341	170	85	

AC servo motor	200W			
Coupling (mm)	10×14 / 11 ^(*1)			
Max. payload	Horizontal (kg)	50	30	18
	Vertical (kg)	12	8	3
Rated thrust (N)	683	341	174	

- *1. Panasonic motor 200W shaft diameter: ø11, others ø14.
- *2. When the stroke is over 750mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstance.
- *3. Acceleration and deceleration value are set to 0.2 second.

Order example

METS2-10 - L05 - 100 - BC - M20 B

Model	Size	Stroke	Motor position	Motor brand	Flange face	Brakes																																
	<table border="1"> <thead> <tr> <th>Ball screw lead</th> <th></th> </tr> </thead> <tbody> <tr> <td>L05</td> <td>5 mm</td> </tr> <tr> <td>L10</td> <td>10 mm</td> </tr> <tr> <td>L20</td> <td>20 mm</td> </tr> </tbody> </table>	Ball screw lead		L05	5 mm	L10	10 mm	L20	20 mm	100~1000 mm 50 mm pitch	<table border="1"> <tbody> <tr> <td>M</td> <td>Built-in (*1)</td> </tr> <tr> <td>BC</td> <td>Direct connection</td> </tr> <tr> <td>BM</td> <td>Lower side</td> </tr> <tr> <td>BR</td> <td>Right side</td> </tr> <tr> <td>BL</td> <td>Left side</td> </tr> </tbody> </table>	M	Built-in (*1)	BC	Direct connection	BM	Lower side	BR	Right side	BL	Left side	<table border="1"> <tbody> <tr> <td rowspan="3">M</td> <td>Mitsubishi</td> <td rowspan="3">10 20</td> <td rowspan="3">100W 200W</td> </tr> <tr> <td>Yaskawa</td> </tr> <tr> <td>Delta</td> </tr> <tr> <td>P</td> <td>Panasonic</td> <td></td> <td></td> </tr> </tbody> </table>	M	Mitsubishi	10 20	100W 200W	Yaskawa	Delta	P	Panasonic				<table border="1"> <tbody> <tr> <td>-</td> <td>No brake</td> </tr> <tr> <td>B</td> <td>With brake</td> </tr> </tbody> </table>	-	No brake	B	With brake
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*1. Not applicable for 200W servo.
 *2. Standard type is without motor. Please refer to the list of standard motors for flange size.
 *3. Only for motor position "Built-in".

Slot-type photomicro sensor set

RZ - ET1 - 10 - N

Sensor set	Size	Sensor type				
		<table border="1"> <tbody> <tr> <td>N</td> <td>NPN</td> </tr> <tr> <td>P</td> <td>PNP</td> </tr> </tbody> </table>	N	NPN	P	PNP
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* With RLT sensor, bolt, nut and cable 2m.

Accessory kits

AK - ET1 - 10 - 1

Accessory kits	Size	Mounting seat quantity				
		<table border="1"> <tbody> <tr> <td>1</td> <td>1 pc</td> </tr> <tr> <td>2</td> <td>2 pcs</td> </tr> </tbody> </table>	1	1 pc	2	2 pcs
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* With interrupter, mounting seat, and bolt.