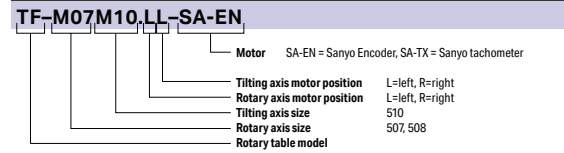


# TF-M07M10 / TF-M08M10

4<sup>th</sup>/5<sup>th</sup> axes for demanding measurement tasks, workpieces up to 25 kg, **without** support bearing



### Item No.



TF-M08M10.LL

		TF-M07M10	TF-M08M10		
Dimension	Swivel ø	mm	280 (180)		
	Swiveling range	degrees	90° +5°/-25° (optional 180° ±25°)		
	Center height	mm	180		
Total weight	with motor	kg	65		
	throughout	mm	31		
	Center bore	mm	31		
Bearing / clamping	Max. spindle load	0°-30°	kg	25	
	30°-90°	kg	12		
	Standard load <sup>1)</sup>	kg	12		
Bearing / clamping	Max. axial force	4. axis	kN	6	
	Max. tilting moment	4. axis	Nm	1,200	
		5. axis	Nm	2,000	
Gear unit	Max. moment of inertia	Standard load <sup>1)</sup>	kgm <sup>2</sup>	0.05	0.025
		J max	kgm <sup>2</sup>	0.5	0.25
	Feed torque max <sup>3)</sup>	4. axis	Nm	27	21
5. axis		Nm	25 to 35	-12	
Gear unit loading	5. axis	without load	Nm	-12	
		with standard load	Nm	15	10
	M max / M limit eccentric	Nm	250 / 40		
Indexing accuracy Pa	4. axis <sup>2)</sup>	± arc sec	25 to 1		
	5. axis (90°) <sup>4)</sup>	± arc sec	25 to 1		
Repeat accuracy Ps average	4. axis	± arc sec	2 to 0.5		
	5. axis	± arc sec	2 to 0.5		
Max. speed at standard load	4. axis <sup>1)</sup>	min <sup>-1</sup>	20 to 25	25 to 30	
	5. axis <sup>1)</sup>	min <sup>-1</sup>	15		
Precision	Radial run-out <sup>2)</sup>	on spindle ø	µm	3 / 2	
	Axial run-out <sup>2)</sup>	at spindle end face	µm	3 / 2	
	Parallelism <sup>2)</sup>	Spindle to base	µm/100mm	5	

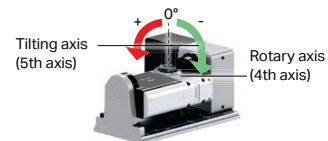
### Version

See respective EA rotary table

### Attention:

For motor and measuring system data as well as all drive-related data such as speeds, feed torques, and indexing and repeat accuracies, refer to the respective EA rotary table, **pp. 36-37 or p. 49**

All other item nos. as for respective EA rotary table  
Options: For QuickMover, see **p. 34** and direct measuring systems (WMS), see **p. 49**



<sup>1)</sup> Mutually dependent; drive data valid for SANYO KA511 and KA720 DC motors  
<sup>2)</sup> For measurement method and validity of values, see main catalog, **p. 48**  
<sup>3)</sup> Limit value for gear unit (valid with above motor), at 1 rpm  
<sup>4)</sup> Torque calculation on request  
 Achievable indexing accuracy depends on the selected direct measuring system; see **p. 49**

