

High-precision Specification by Rotary Encoders or MP Scales

Indexing accuracy can be upgraded by attaching a rotary encoder or MP scale to the spindle of the rotary table. The sum of the cumulative indexing accuracy of the rotary encoder or the MP scale and electrically divided errors of the pre-amplifier or the waveform shaping unit is referred to as the indexing accuracy of the rotary tables with scales. The indexing accuracy is guaranteed by TSUDAKOMA.

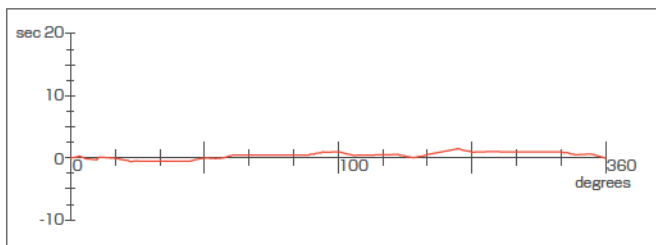
Model Description

"RWB-□□□R,□□"

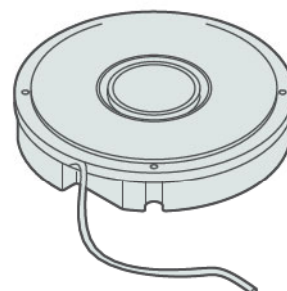
RE (Rotary encoders)

RI (MP scales)

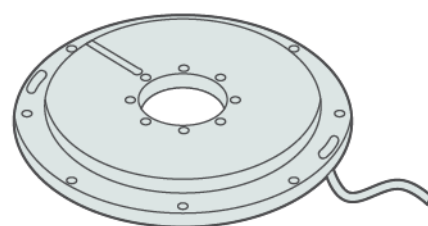
Example of measurement indexing accuracy with scale



Rotary encoder



MP scale



Indexing accuracy with scale

		Rotary encoders		MP scales	
		Order Code	Accuracy with scale	Order Code	Accuracy with scale
RN-100	Rotary axis	RCN23*1, RCN25*1	15sec	—	—
RBS/RBH-160 RWE/RWA/RWH-160,200	Rotary axis	RCN23*1 or RU77-4096A	15sec	MPI 536A	15sec
RBS/RBH-250,320 RWA/RWH-250,320	Rotary axis	RCN83*1, RCN85*1 or RS97-1024	10sec/RCN83*1, RS97-1024 6sec/RCN85*1	MPI 736B	10sec
RWB-250	Rotary axis	RCN83*1, RCN85*1 or RS97-1024	10sec/RCN83*1, RS97-1024 6sec/RCN85*1	MPI 736B	10sec
RWB-320	Rotary axis			MPI 1072B	8sec
RWB-400,500,630 RNCK-631 RCH-800,1000,1250 RCV-800,1000,1250,1600	Rotary axis			MPI 1272B	8sec
TWA-130	Rotary axis*	RCN23*1 or RU77-4096A	15sec	MPI 536A	15sec
TWA-160	Tilt axis				
TWA-200	Rotary axis				
TBS-130	Tilt axis*				
TBS-160	Rotary axis	RCN23*1 RCN83*1, RCN85*1 or RU77-4096A RS97-1024	15sec/RCN23*1, RU77-4096A 10sec/RCN83*1, RS97-1024 6sec/RCN85*1	MPI 736B	10sec
TBS-250	Tilt axis				
TN-320	Rotary axis				
TN-450	Tilt axis	RCN83*1, RCN85*1 or RS97-1024	10sec/RCN83*1, RS97-1024 6sec/RCN85*1	MPI 736B	10sec
TWB-320	Rotary axis			MPI 1072B	10sec
TWB-630	Tilt axis	RCN23*1, RCN25*1 RCN83*1, RCN85*1	15sec/RCN23*1 10sec/RCN25*1, RCN83*1 6sec/RCN85*1	MPI 736B	10sec
TWB-1000	Rotary axis			MPI 1072B	15sec
	Tilt axis	RCN83*1, RCN85*1	10sec/RCN83*1 6sec/RCN85*1	MPI 1272B	8sec
					15sec
					8sec
					15sec

For other accuracy standard. from P.74

Accuracy differs depending on the specifications of the tables. Ask us for further information.

*Rotary encoders are unavailable.