

Tube Rotators

◆ Description

The tube rotor is an ideal instrument for numerous applications where high efficiency and consistent mixing are needed. A common place for this instrument is clinical, research and teaching laboratories. Tube rotators are available in an economical fixed speed model and variable speed models with timer. The high-profile tube rotator provides high volume application.



Standard Tube Rotator
TR-03A (90°)



Standard Tube Rotator
TR-03A (135°)



Standard Tube Rotator
TR-03A (180°)



Digital Tube Rotator
TR-04UA (90°)



Digital Tube Rotator
TR-04UA (135°)



Digital Tube Rotator
TR-04UA (180°)

◆ Features

- ☐ Tilt angle is adjustable for accommodating different applications.
- ☐ Variable types of tube holders are available to meet the needs of different tubes.
- ☐ All units are compatible with cold room and incubator environment.
- ☐ TR-04UA and TR-05UA models have speed adjustment, continuous and timer mode with automatic stop.



High Profile Tube Rotator
TR-05UA (95°)



High Profile Tube Rotator
TR-05UA (146°)



High Profile Tube Rotator
TR-05UA (180°)



*Note: Lift the black handle and turn the angle.

◆ Specifications

Name	Standard Tube Rotator	Digital Tube Rotator	High Profile Tube Rotator
Model	TR-03A	TR-04UA	TR-05UA
For regions other than North America, check the model number in the "Order Information Table"			
Speed	24rpm	2~80rpm	5~80rpm
Speed Accuracy	NA	±1rpm	
Tilt Angle	90°~180° (Continuous)		95°~180° (Six steps: 95°, 112°, 129°, 146°, 163°, 180°)
Timer	NA	0~99h59min	
Carousel Diameter	Ø250mm (9.84")		Ø290mm (11.42") (Tube carousel) / Ø310mm (12.20") (Drum tube carousel)
Capacity	12x50ml/18x15ml/48x2ml/9x50ml & 9x15ml & 12x2ml		15x50ml tubes (27~34mm) / 30x15ml tubes (14~18mm) / 10x10~15ml & 20x5~7ml tubes / 64x18.5mm culture tubes (drum carousel) / 64x14mm culture tubes (drum carousel)
Display	NA	LCD	LED
Accessories included in Standard Packaging	TRA22 (with 12 pcs of 50ml clamps)		TRA25 (with 15 pcs of 50ml clamps)
Ambient Temperature	5°C~40°C		
Relative Humidity	≤80%		
Power Supply	AC110V/60Hz	AC100~240V, 50/60Hz	
Max. Power	11W	6W	8W
Dimensions (LxWxH)	334x215x405mm (13.2x8.5x16")		440x296x466mm (17.3x11.7x18.3")
Net Weight	3.5kg (7.7 lb)	4kg (8.8 lb)	8.1kg (17.7 lb)
Protection Level	IP21		
Certifications	NA		cCSAus, CE, RoHS, WEEE

◆ Order Information Table

US		Eur		UK	
TR-03A	TR-04UA	TR-03E*	TR-04UE	TR-03EN*	TR-04UEN
AC110V±11V, 60Hz	AC100~240V, 50 / 60Hz	AC220V±22V, 50Hz	AC100~240V, 50 / 60Hz	AC220V±22V, 50Hz	AC100~240V, 50 / 60Hz
AU		SA		Eur, UK, AU	
TR-03AU*	TR-04UAU	TR-03SA*	TR-04USA	TR-05UW	
AC220V±22V, 50Hz	AC100~240V, 50 / 60Hz	AC220V±22V, 50Hz	AC100~240V, 50 / 60Hz	AC100~240V, 50 / 60Hz	

* Note: For TR-03E, TR-03EN, TR-03AU, TR-03SA rockers, rocking speed is 20rpm.

◆ Accessories for Standard Tube Rotator & Digital Tube Rotator (TR-03A & TR-04UA)

Part Number	Name	Capacity
TRA19	Working Plate for Multi-Tubes	9x50ml/9x15ml/12x2ml
TRA20	Working Plate for 2ml Tubes	48x2ml
TRA21	Working Plate for 15ml Tubes	18x15ml
TRA22	Working Plate for 50ml Tubes	12x50ml
TRA15	Tube Holders for 50ml Tubes	NA
TRA16	Tube Holders for 15ml Tubes	NA
TRA17	Tube Holders for 2ml Tubes	NA



◆ Accessories for High Profile Tube Rotator (TR-05UA)

Part Number	Name	Capacity
TRA23	1.5 / 2.0ml rotator assembly	50x1.5ml / 50x2ml
TRA24	15ml rotator assembly	30x15ml
TRA25	50ml rotator assembly	15x50ml
TRA26	10 / 15ml + 5 / 7ml assembly	10x10ml / 10x15ml + 20x5ml / 20x7ml
TRA27	Drum for 14mm culture tubes Dia. 14mm	64xØ14mm (0.55")
TRA28	Drum for 18.5mm culture tubes Dia. 18.5mm	64xØ18.5mm (0.73")
TRA15	Tube Holders for 50ml Tubes	NA
TRA16	Tube Holders for 15ml Tubes	NA
TRA17	Tube Holders for 2ml Tubes	NA

