

ER- Double Axis Position Rate Turntable



Characteristic:

Compact and high performance price ratio

It is suitable for calibration of inertial devices

It is suitable for R & D and automatic production test

Integrated electronic device with position, velocity and acceleration control

Connecting the measured unit by slip ring or soft cable

The controller can be used directly, drive system and sinusoidal coder

Double axle safety brake

Ethernet interface control and communication configuration

BNC port analog input / output and pulse output

4 programmable input ports

Parameters:

Project	Unit	Model	
		AC216-LR/AC216-CR	AC217-TC
Weight	lbs (kg)	Over 40 (18)	Over 40 (18)
Maximum size	Inch (mm)	18 (diameter) x 12 (457 diameter x 305)	12 (diameter) x 9(305 diameter x 229)
Mesa diameter	Inch (mm)	18 (457)	13 (330)
The distribution of screw holes on the table		1/4 -20 threaded hole by 2 inches (50 mm)	1/4 -20 threaded hole by 2 inches (50 mm)

		distribution grid	distribution grid
Connecting cable between collector ring and measured component		The AC216-LR: torsion cable according to the customer demand (1 inches in diameter.) AC216-CR: 25 line /2A, 150 VDC	The AC217-LR: torsion cable according to the customer demand (1 inches in diameter.) AC217-CR: 25 line /2A, 150 VDC
Position		Inner frame shaft	Outer frame shaft
Accuracy	Seconds of arc	± 30	± 30
Instruction resolution	°	0.001	0.001
Repeatability	seconds of arc	20	20
Rate		Inner frame shaft	Outer frame shaft
Range	°/s	1,000	200
Stability (over360°)	%	0.001	0.001
Stability (over10°)	%	0.01	0.01
Stability (over1°)	%	0.1	0.1
Instruction resolution	°/s	± 0.001	± 0.001
dynamic		Inner frame shaft	Outer frame shaft
Acceleration (no load mode)	°/s ²	3,000	1,000
Acceleration (bearing mode)		TBD - based on the device under test	TBD - based on the device under test
Rotational degree of freedom	°	Inner frame shaft	Outer frame shaft
		AC216-CR: unlimited AC216-LR: limit±180	AC217-CR: unlimited AC217-LR: limit ±180
Dimension			
Outline dimension (length×width×height)	Inch (mm)	26.5 x 39.75 x 35 (673 x 1010 x 889)	27 x 48 x 43 (686 x 1219 x 1092)
From floor to mesa height	Inch (mm)	35 (889)	27.64 (703)
Temperature box			
Temperature box volume	Inch	N/A	13×9in

	(mm)		
Temperature range	°C	N/A	−55−85
Temperature stability	°C	N/A	0.1
Heat rising gradient	°C/m	N/A	5°C/min
Power requirements			
Turntable		single-phase 115/240 VAC, ± 10%, 50-60Hz, 15A or 3 phase 208VAC, 30A	Single-phase 115/240 VAC, ± 10%, 50-60Hz 15A or 3 phase 208VAC, 30A
Temperature box			Three-phase 208VAC± 10%,50-60Hz,30A