

TABLETOP REFRIGERATED CENTRIFUGE CEN1A-210R



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CEN1A-210R

These centrifuges are widely used in the fields of biochemistry, pharmacy, clinical medicine and other research fields for variety of separation needs. The programmable microprocessor centrifuge allows modification of the parameter during operation. In addition, accommodates various type of tubes or plates and size of the sample.

Used in Cell Separation, Precipitation, Sample Processing, Clinical, Cell Culture, Microplate Processing, Biochemistry, medical diagnosis.

Also known as Floor Standing Centrifuge, Laboratory Floor Type Centrifuge, Floor Type Refrigerated Centrifuge, Benchtop Centrifuge, Laboratory Tabletop Centrifuge.

CEN1A-210R TABLETOP REFRIGERATED CENTRIFUGE

Full color touch screen interface with microprocessor control system. Store 1000 programs in centrifuge memory which are retained even after powering down the centrifuge. Speed and the centrifugal force can be step adjusted (10 RPM/10xg). High quality CFC-free compressor and maximum speed of 21000 rpm.



SPECIFICATIONS

Model	CEN1A-210R
Maximum Capacity (No of tubes x Vol.)	6x100 ml , 4x750 ml
Maximum Speed	4500 rpm with 4x250 ml rotor , 21000 rpm with 12x1.5/2.0 ml
Speed Accuracy	±10rpm
Maximum RCF	3720Xg with 4x250 ml rotor , 31370 Xg with 24x1.5/2.0 ml
Temp. Control Range	-20~40°C
Temperature Accuracy	±1°C
Time Range	Count up or down
Acceleration	40
Deceleration	40
Refrigeration System	CFC-Free
Control System	Microprocessor
Display	Full color touch screen interface
Rotor Identification	Auto-ID Instant,immediately upon rotor insertion
Drive System	Direct,induction motor drive (Inverter Control)
Programmability	Via easy access touch screen menu
Program Storage	1000 user-defined
Noise Level	≤56 dB (A)

Weight	106 kg
Overall Dimension	26.8x23.6x16.5 in / 68x60x42 mm
Max. Power Consumption	1500 KW
Power Supply	AC 200-240V,50/60Hz or AC 100-127V,50/60Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Rotor Capacity	Max Speed (rpm)	Max RCF(g)
2201923005	No. 1 Fixed-Angle Rotor	12x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	21000 rpm	30810g
2201923006	No. 2 Fixed-Angle Rotor	12x5 ml	17000 rpm	23460g
2201923007	No. 3.1 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	16500 rpm	26360g
2201923008	No. 3.2 Fixed-Angle Rotor	24x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)(rotor with Aerosol-tight lid)	18000 rpm	31370g
2201923009	No. 4.1 Fixed-Angle Rotor	12x10 ml	15000 rpm	20800g
2201923010	No. 4.2 Fixed-Angle Rotor	36x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	15000 rpm	21760g
2201923011	No. 5.1 Fixed-Angle Rotor	6x50 ml (conical)	13000 rpm	18420g
2201923012	adapters		13000 rpm	18420g
2201923013	adapters		13000 rpm	18420g
2201923014	adapters		13000 rpm	18420g
2201923015	adapters		13000 rpm	18420g
2201923016	adapters		13000 rpm	18420g
2201923017	adapters		13000 rpm	18420g
2201923018	adapters		13000 rpm	18420g
2201923019	adapters		13000 rpm	18420g
2201923020	adapters		13000 rpm	18420g
2201923021	adapters		13000 rpm	18420g
2201923022	No. 5.2 Fixed-Angle Rotor	48x1.5/2.0 ml(with adapters for 0.2/0.5ml tube)	13000 rpm	18515g
2201923023	No. 5.3 Fixed-Angle Rotor	6x50 ml (round bottom)	13000 rpm	18420g
2201923024	adapters		13000 rpm	18420g
2201923025	adapters		13000 rpm	18420g
2201923026	adapters		13000 rpm	18420g
2201923027	adapters		13000 rpm	18420g
2201923028	adapters		13000 rpm	18420g
2201923029	adapters		13000 rpm	18420g
2201923030	adapters		13000 rpm	18420g
2201923031	adapters		13000 rpm	18420g
2201923032	adapters		13000 rpm	18420g
2201923033	No. 6.1 Fixed-Angle Rotor	4x100 ml	11000 rpm	13350g
2201923034	adapters		11000 rpm	13350g
2201923035	adapters		11000 rpm	13350g
2201923036	adapters		11000 rpm	13350g
2201923037	adapters		11000 rpm	13350g
2201923038	adapters		11000 rpm	13350g
2201923039	adapters		11000 rpm	13350g
2201923040	adapters		11000 rpm	13350g

2201923041	adapters		11000 rpm	13350g
2201923042	adapters		11000 rpm	13350g
2201923043	adapters		11000 rpm	13350g
2201923044	adapters		11000 rpm	13350g
2201923045	adapters		11000 rpm	13350g
2201923046	No. 6.2 Fixed-Angle Rotor	8x50 ml (conical)	11000 rpm	13350g
2201923047	adapters		11000 rpm	13350g
2201923048	adapters		11000 rpm	13350g
2201923049	adapters		11000 rpm	13350g
2201923050	adapters		11000 rpm	13350g
2201923051	adapters		11000 rpm	13350g
2201923052	adapters		11000 rpm	13350g
2201923053	adapters		11000 rpm	13350g
2201923054	adapters		11000 rpm	13350g
2201923055	adapters		11000 rpm	13350g
2201923056	adapters		11000 rpm	13350g
2201923057	No. 6.3 Fixed-Angle Rotor	12x15 ml	12500 rpm	17240g
2201923058	adapters		12500 rpm	17240g
2201923059	adapters		12500 rpm	17240g
2201923060	adapters		12500 rpm	17240g
2201923061	adapters		12500 rpm	17240g
2201923062	adapters		12500 rpm	17240g
2201923063	adapters		12500 rpm	17240g
2201923064	No. 6.4 Fixed-Angle Rotor	8x50 ml (round bottom)	11000 rpm	14030g
2201923065	adapters		11000 rpm	14030g
2201923066	adapters		11000 rpm	14030g
2201923067	adapters		11000 rpm	14030g
2201923068	adapters		11000 rpm	14030g
2201923069	adapters		11000 rpm	14030g
2201923070	adapters		11000 rpm	14030g
2201923071	adapters		11000 rpm	14030g
2201923072	adapters		11000 rpm	14030g
2201923073	adapters		11000 rpm	14030g
2201923074	No. 6.5 Fixed-Angle Rotor	24x10 ml	11000 rpm	13350g
2201923075	No. 7 Swing-Bucket Rotor	2x3 pcs microplates (96 wells) or 2x3 pcs microtiter plates or 2x2 pcs cell culture plates or 2x1 pc deep well plates	4000 rpm	1970g
2201923076	No. 8 Swing-Bucket Rotor Rotor Cross		4500 rpm	3720g
2201923077	250ml Round Buckets	4x250 ml	4500 rpm	3720g
2201923078	adapters	4x100 ml	4500 rpm	3720g
2201923079	adapters	4x50 ml	4500 rpm	3720g
2201923080	adapters	8x50 ml (conical)	4500 rpm	3720g
2201923081	adapters	8x50 ml (round bottom)	4500 rpm	3720g
2201923082	adapters	8x30 ml	4500 rpm	3720g
2201923083	adapters	20x15 ml	4500 rpm	3720g
2201923084	adapters	36x10 ml	4500 rpm	3720g
2201923085	adapters	20x5 ml (conical)	4500 rpm	3720g
2201923086	adapters	32x1.5/2.0 ml	4500 rpm	3720g

2201923087	adapters	32x2.0 ml	4500 rpm	3720g
2201923088	adapters	40x0.5 ml	4500 rpm	3720g
2201923089	adapters	20x10 ml virus sampling tube	4500 rpm	3720g
2201923090	adapters	28x4-10 ml blood collection / urine tube	4500 rpm	3720g
2201923091	adapters	40x1.6-7 ml blood collection / urine tube	4500 rpm	3720g
2201923092	Conical Buckets	4x175/225 ml Falcon conical bottle	4500 rpm	3720g
2201923093	Buckets	48x1.6-7 ml blood collection / urine tube	4000 rpm	3100g
2201923094	Buckets	64x1.6-7 ml blood collection / urine tube	4000 rpm	3100g
2201923095	No. 9-1 Swing-Bucket Rotor Rotor Cross		4200 rpm	3550g
2201923096	500ml Round Buckets	4x500 ml	4200 rpm	3550g
2201923097	Aerosol-tight lids for 500ml Round Buckets		4200 rpm	3550g
2201923098	adapters	4x250 ml	4200 rpm	3550g
2201923099	adapters	4x175/225 ml Falcon conical bottle	4200 rpm	3550g
2201923100	adapters	4x100 ml	4200 rpm	3550g
2201923101	adapters	16x50 ml (conical)	4200 rpm	3550g
2201923102	adapters	16x50 ml (round bottom)	4200 rpm	3550g
2201923103	adapters	16x30 ml	4200 rpm	3550g
2201923104	adapters	36x15 ml	4200 rpm	3550g
2201923105	adapters	56x10 ml	4200 rpm	3550g
2201923106	adapters	36x5 ml (conical)	4200 rpm	3550g
2201923107	adapters	80x1.5/2.0 ml	4200 rpm	3550g
2201923108	adapters	60x2.0 ml	4200 rpm	3550g
2201923109	adapters	80x0.5 ml	4200 rpm	3550g
2201923110	adapters	36x10 ml virus sampling tube	4200 rpm	3550g
2201923111	adapters	56x4-10 ml blood collection / urine tube	4200 rpm	3550g
2201923112	adapters	72x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2201923113	Rectangular Buckets		4200 rpm	3550g
2201923114	adapters	20x50 ml (conical)	4200 rpm	3550g
2201923115	adapters	20x50 ml (round bottom)	4200 rpm	3550g
2201923116	adapters	20x30 ml	4200 rpm	3550g
2201923117	adapters	40x15 ml	4200 rpm	3550g
2201923118	adapters	40x5 ml (conical)	4200 rpm	3550g
2201923119	adapters	100x1.5/2.0 ml	4200 rpm	3550g
2201923120	adapters	100x2.0 ml	4200 rpm	3550g
2201923121	adapters	80x4-10 ml blood collection / urine tube	4200 rpm	3550g
2201923122	adapters	112x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2201923123	Round Buckets	148x5 ml Radio-immunity tube	4200 rpm	3550g
2201923124	Round Buckets	96x1.6-7 ml blood collection / urine tube	4200 rpm	3550g
2201923125	Plate Buckets	4x2 pcs microplates (96 wells) or 4x2 pcs microtiter plates or 4x2 pcs cell culture plates or 4x1 pc deep well plates	4200 rpm	3550g
2201923126	No. 9-2 Swing-Bucket Rotor	4x250 ml Corning conical bottle or 4x200 ml Nunc bottle	4200 rpm	3550g
2201923127	No. 10-1 Swing-Bucket Rotor	4x750 ml	4000 rpm	3500g
2201923128	adapters	4x500 ml	4000 rpm	3500g
2201923129	adapters	4x250 ml	4000 rpm	3500g
2201923130	adapters	4x175/225 ml Falcon conical bottle	4000 rpm	3500g

2201923131	adapters	12x100 ml	4000 rpm	3500g
2201923132	adapters	20x50 ml (conical)	4000 rpm	3500g
2201923133	adapters	20x50 ml (round bottom)	4000 rpm	3500g
2201923134	adapters	20x30 ml	4000 rpm	3500g
2201923135	adapters	56x15 ml	4000 rpm	3500g
2201923136	adapters	72x10 ml	4000 rpm	3500g
2201923137	adapters	56x5 ml (conical)	4000 rpm	3500g
2201923138	adapters	88x1.5/2.0 ml	4000 rpm	3500g
2201923139	adapters	88x2.0 ml	4000 rpm	3500g
2201923140	adapters	96x0.5 ml	4000 rpm	3500g
2201923141	adapters	76x4-10 ml blood collection / urine tube	4000 rpm	3500g
2201923142	adapters	96x1.6-7 ml blood collection / urine tube	4000 rpm	3500g
2201923143	adapters	148x5 ml Radio-immunity tube	4000 rpm	3500g
2201923144	adapters	4x30/50 ml Falcon Cell Culture Flasks or 4x30/50 ml Corning Cell Culture Flasks	4000 rpm	3500g
2201923145	adapters	4x40 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2201923146	adapters	4x160 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2201923147	adapters	4x200 ml Falcon Cell Culture Flasks or 4x200 ml Greiner Cell Culture Flasks or 4x200 ml Nunc Cell Culture Flasks	4000 rpm	3500g
2201923148	No. 10-2 Swing-Bucket Rotor	4x500 ml Corning conical bottle	4000 rpm	3500g
2201923149	No. 11 Fixed-Angle Rotor	6x100 ml	10000 rpm	12060g
2201923150	adapters		10000 rpm	12060g
2201923151	adapters		10000 rpm	12060g
2201923152	adapters		10000 rpm	12060g
2201923153	adapters		10000 rpm	12060g
2201923154	adapters		10000 rpm	12060g
2201923155	adapters		10000 rpm	12060g
2201923156	adapters		10000 rpm	12060g
2201923157	adapters		10000 rpm	12060g
2201923158	adapters		10000 rpm	12060g
2201923159	adapters		10000 rpm	12060g
2201923160	adapters		10000 rpm	12060g
2201923161	adapters		10000 rpm	12060g
2201923162	No. 12 Fixed-Angle Rotor	8x15 ml	14500 rpm	18570g
2201923163	adapters		14500 rpm	18570g
2201923164	adapters		14500 rpm	18570g
2201923165	adapters		14500 rpm	18570g
2201923166	adapters		14500 rpm	18570g
2201923167	adapters		14500 rpm	18570g
2201923168	adapters		14500 rpm	18570g
2201923169	No. 13 Fixed-Angle Rotor	12x50 ml (conical)	10000 rpm	14310g
2201923170	adapters		10000 rpm	14310g
2201923171	adapters		10000 rpm	14310g
2201923172	adapters		10000 rpm	14310g
2201923173	adapters		10000 rpm	14310g
2201923174	adapters		10000 rpm	14310g
2201923175	adapters		10000 rpm	14310g

2201923176	adapters		10000 rpm	14310g
2201923177	adapters		10000 rpm	14310g
2201923178	adapters		10000 rpm	14310g
2201923179	adapters		10000 rpm	14310g



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