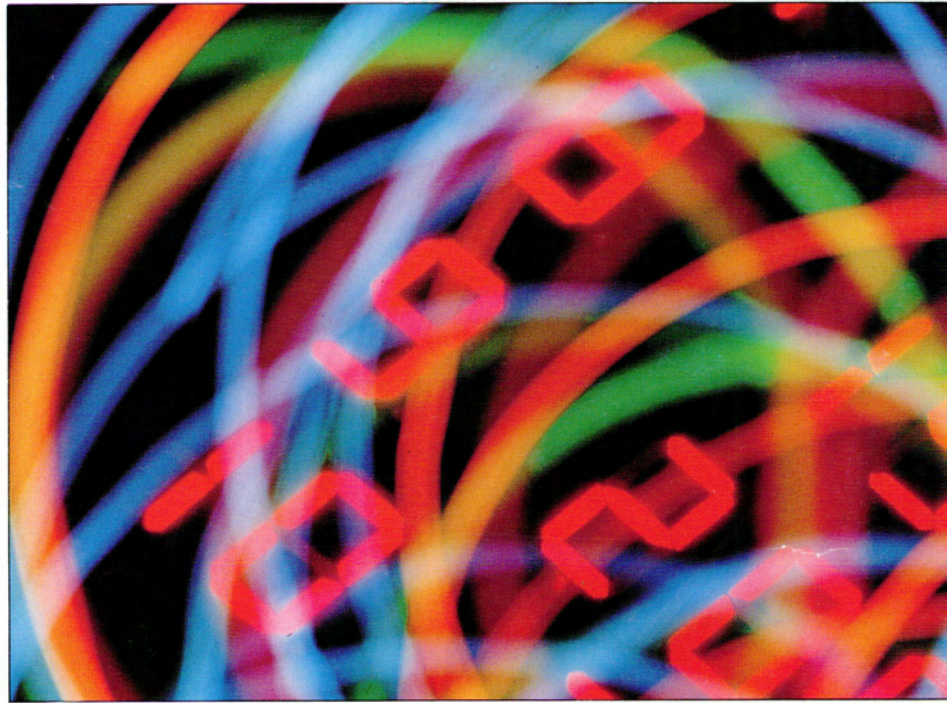


IEC

A member of the Life Sciences
International group of companies

COMPACT BENCH CENTRIFUGES



CENTRA-CL

CENTRA-CLD

CENTRA-3C

CENTRA-3M

DJB Labcare - The UK's Leading Centrifuge Specialist
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A Choice of Four Compact Centrifuges

– with varying degrees of control sophistication

The IEC series of compact bench centrifuges is available in two different sizes and with a choice of analogue or microprocessor control. Maximum speed is the same for all models but due to their slightly larger size the Centra-3C and 3M accept a wider range of rotors, tubes and adapters.

STANDARD FEATURES

MAXIMUM SPEED	MAXIMUM FORCE	MAXIMUM VOLUMES
5200 RPM (Angle Rotor)	3250 xg	4 x 100ml CL and CLD 4 x 180ml 3C and 3M

CENTRA-CL

Low cost bench centrifuge

- Analogue set for speed and time
- Touch-membrane controls for stop/start braking and cover opening
- Max. volume 4 x 100ml



CENTRA-CLD AND 3C

Digital bench centrifuges

- Analogue set for time and speed
- Touch membrane controls for stop/start braking and cover opening
- Bright LED 4-digit readout of running speed
- Max. volume 4 x 100ml CLD
- Max. volume 4 x 180ml 3C



CENTRA-3M

Microprocessor control centrifuge

- Numerical touch-membrane keyboard
- Up to 10 run profiles in memory
- LED display simultaneously shows programme selected, time/elapsed time and speed.
- Max. volume 4 x 180ml



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Standard Features

SAFETY FEATURES

Imbalance sensor and cut-out with panel warning light. All centrifuges conform to BS 4402.1982 and ESCHLE 2nd Edition.

ACCESSORIES

With more than thirty combinations of rotors, carriers and adapters virtually every application can be catered for.

ACCELERATION/ DECELERATION

An additional preselectable electronic brake is available to improve throughput without risk to the sample.

FEEDBACK SPEED CONTROL

Ensures accuracy of speed regardless of rotor, load or windage.

REPEAT RUNS

A single button operation provides repeat runs to an accuracy of 0.5% of set time for the CL, CLD and 3C, but better than 0.1% for the 3M.



ORDERING INFORMATION

SPECIFICATIONS AND PERFORMANCE DATA

SPECIFICATIONS		CENTRA-CL	CENTRA-CLD	CENTRA-3C	CENTRA-3M
Maximum Speed:	Horizontal Rotor	4000 RPM	4000 RPM	4000 RPM	4000 RPM
	Angle Rotor	5200 RPM	5200 RPM	5200 RPM	5200 RPM
Maximum Force:	Horizontal Rotor	2540 xg	2540 xg	2580 xg	2580 xg
	Angle Rotor	3250 xg	3250 xg	3250 xg	3250 xg
Speed Control:	Range	0-6000 RPM	0-6000 RPM	0-6000 RPM	0-6000 RPM
	Increments	100 RPM	100 RPM	100 RPM	100 RPM
Run Time:	Range	0-60 min	0-60 min	0-60 min	0-99.9 min
	Increments	1 min	1 min	1 min	0.1 min
Power Requirements:	220/240 V AC 50/60 Hz 3 amps	0431	0433	2493	2495
	110/120 V AC 50/60 Hz 5 amps	0430	0432	2492	2494
Dimensions (cm)	H x W x D	28.0 x 36.5 x 41.0	28.0 x 36.5 x 41.0	28.0 x 39.5 x 49.0	28.0 x 39.5 x 49.0
Weight		19.0 kg	19.0 kg	22.0 kg	22.0 kg
Shipping Wt.		24.0 kg	24.0 kg	27.0 kg	27.0 kg

All performance data is given at 240V AC 50Hz.
Specifications subject to change without notice.

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Accessories and performance data

CENTRA-CL, CLD, 3C and 3M

Tube capacity (ml)	Tube Diameter min-max (mm.)	Tube Length min-max (mm.)	Rotor Cat. No. S/O-Swing out F/A-Fixed Angle	Carrier/ Bucket Cat. No.	Adapter Cat. No.	Max. No. of Tubes	Radius (cm)	Max. RPM	Max. RCF (x g)
5-7	10.0-13.0	65-100	248a (S/O)	2572	2573	20	13.7	4000	2450
5-7	10.0-13.0	65-100	248a (S/O)	2572	2574	28	14.0	4000	2500
10-12	15.3-17.2	70-93	809a (F/A)	356		12	10.2	5200	3080
10-15	14.9-17.1	80-105	248a (S/O)	2572	2575	12	14.0	4000	2500
10-15	15.3-17.2	86-110	809a (F/A)	303		12	11.3	4700	2790
10-16	15.3-17.3	84-110	248a (S/O)	2570		16	14.2	4000	2540
40-52	28.2-30.0	98-125	801a (F/A)	305		6	12.1	4900	3250
40-52	28.2-30.0	98-125	801a (F/A)	320		6	10.8	5000	3020
40-52	28.2-30.0	84-105	248a (S/O)	2571		4	14.2	4000	2540
100	43.0-45.0	84-100	248a (S/O)	2572		4	14.2	4000	2540
Cytological slides 25 x 75 mm (1" x 3")			215a (S/O)	1024 & Cytobucket		12	10.6	2050	500



215a rotor with 326 trunnion ring and 320 bucket



223a rotor with 348/348S unsealed and sealed bucket



248a rotor with 2570 bucket

CENTRA-3C and 3M ADDITIONAL ACCESSORIES

Tube capacity (ml)	Tube Diameter min-max (mm.)	Tube Length min-max (mm.) [] = in sealed cup	Rotor Cat. No. S/O-Swing out F/A-Fixed Angle	Carrier/ Bucket Cat. No. (S-Sealed Cup)	Adapter Cat. No. (Trunnion Ring)	Max. No. of Tubes	Radius (cm)	Max. RPM	Max. RCF (x g)
3-5	10.0-12.0	45-112 [110]	223a (S/O)	348/348S	5465	48	14.9	3900	2530
3-5	11.0-13.0	40-112 [110]	223a (S/O)	348/348S	5464	32	14.9	3900	2530
5-16	14.9-17.1	40-115 [112]	223a (S/O)	348/348S	5473	20	15.0	3900	2550
10-12	15.3-17.2	70-103	815a (F/A)	356		24	9.9/11.2	4700	2250/2770
10-16	14.5-16.5	86-115 [112]	223a (S/O)	348/348S	5470	28	15.0	3900	2550
10-19	15.3-17.2	86-120	815a (F/A)	303		24	9.9/11.9	4400	2150/2580
15 conical	14.5-16.5	86-121	223a (S/O)	348	5466	12	15.0	3900	2550
20 universal	25.0-29.1	67-110 [106]	223a (S/O)	348/348S	5463	4	14.6	3900	2480
40-52	27.1-29.1	74-113 [110]	223a (S/O)	348/348S	5463	4	15.0	3900	2550
40-52	28.2-30.0	94-116	215a (S/O)	320	(326)	8	14.0	3900	2380
40-52	28.2-30.0	98-125	816a (F/A)	305		8	12.7	4300	2630
40-52	28.2-30.0	98-125	816a (F/A)	320		8	11.6	4700	2870
50 conical	27.0-29.0	89-117	223a (S/O)	348/348S	5468	4	15.0	3900	2550
100	43.0-45.0	89-113 [110]	223a (S/O)	348/348S	5462	4	15.0	3900	2550
180	54.5-56.5	89-113 [112]	223a (S/O)	348/348S		4	15.2	3900	2580
96 well microplates			244a (S/O)			6		4000	1800
Precipitin Tubes			244a (S/O)		5467	100		4000	1800



801a rotor with 305 bucket



215a rotor with 1024 carrier and cytobucket



244a rotor with 96 well microplate

Variations of plus or minus 5% may be experienced