

ortoalresa

Centrifuges and laboratory products

DIGICEN 21 / DIGICEN 21R V.2

DIGICEN 21



The centrifuge **Digicen 21** highlights for its versatility among the universal centrifuges and it's provided of:

- Swing out rotors for max 4 x 100 ml for tubes , microplates as well as microtubes.
- Angle fixed low speed up to 24 tubes of 15ml,
- Angle fixed low speed for microtubes up to 50 ml conical.

It's controlled through **LCD screen** showing centrifugation values as time, RPM/RCF, as well as braking time, graphic for open lid, progress bar , messages and acoustic signals for error or end of program , which provides the user the process monitoring.

Thinking on centrifugation.

Use friendlinessly

- LCD screen shown RPM/RCF ,time, temperature and braking.
- Intuitive handling through start, stop, short spin and lid keys.
- Rotor list on memory.
- Timer count up/down, from 0 or at "set RPM/RCF" for test reproducibility.
- Short spin key with speed adjustable.
- Automatic rotor recognition.
- Acceleration and braking selectable by operator.
- 16 memories.
- Automatic open lid(non-refrigerated)
- Lid latch lock.
- Microprocessor controlled.
- Option: free or locked adjustment of RPM/RCF along the run.

Features

- Induction motor maintenance free
- Capacity Max. 4 x 100 ml.
- Speed, up to 24.959 x g/16.500 RPM.
- Quiet: noise level < 60 dB.

Safety

- Lid locking and holding as well as lid dropping protection.
- Imbalance switch off.
- Manual overriding.
- Chamber of centrifugation in stainless Steel.
- Viewing and calibration port in the lid.
- Several messages keep the operator informed about the device situation.
- Guard ring between the chamber of centrifugation and the housing.

EC Directives: 98/79/EC, 2006/95/EC, 2004/108/EC; 2002/95/EC, 2002/96/EC, 2003/108/EC.

Standards: 61010-1:2002, 61010-2-020:2006,61326-1:2006

Versions

Ref	Dimensions (mm)(w x d x h)			Net weight (Kg)	Voltage (V)	Frecuency (Hz)	Power (W)
	410	530	320				
CE 110	410	530	320	36	220-240	50-60	280
CE 116	410	530	320	36	110-120	50-60	280

DIGICEN 21 R



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IVD CE

The centrifuge refrigerated **Digicen 21 R** can reach up to 24.959 x g with a wide range of rotors;

Swing out rotors, with a max volume of 4 x 100 ml which can fit several set of adapters for tubes with or without caps, microtubes, microplates.

Angle fixed low speed for routine purposes.

Angle fixed high speed from microtubes to 50 ml conical tubes.

On LCD screen shown the selectable values as time, RPM, RCF, temperature and braking time as well as graphics for lid open, progress bar, and acoustic signals for a better control about the process by operator.

Stabilizing sample preparation.

Use friendlinessly

- LCD screen shown RPM/RCF ,time, temperature and braking.
- Intuitive handling through start, stop, short spin and lid keys.
- Rotor list on memory.
- Timer count up/down, from 0 or at "set RPM/RCF" for test reproducibility.
- Short spin key with speed adjustable.
- Automatic rotor recognition.
- Acceleration and braking selectable by operator.
- 15 memories and pre-cooling program.
- Automatic open lid(non-refrigerated)
- Lid latch lock.
- Microprocessor controlled.
- Option: free or locked adjustment of RPM/RCF along the run.

Features

- Induction motor maintenance free
- Capacity Max .4 x 100 ml.
- Speed, up to 24.959 x g/16.500 RPM.
- Quiet: noise level < 60 dB.

Safety

- Lid locking and holding as well as lid dropping protection.
- Imbalance switch off.
- Manual overriding.
- Chamber of centrifugation in stainless Steel.
- Viewing and calibration port in the lid.
- Several messages keep the operator informed about the device situation.
- Guard ring between the chamber of centrifugation and the housing.

Cooling

- Precooling program with rotor spinning and temperature selectable by operator.
- 4 °C at Max speed as higher.
- Temperature range -20 °C(-4 °F) to 40°C(104 °F)
- Temperature sensor inside the chamber, gas R 134A HFC.

EC Directives: 98/79/EC, 2006/95/EC, 2004/108/EC; 2002/95/EC, 2002/96/EC, 2003/108/EC.


Regulation: 1005/2009 & 842/2006.

Standards: 61010-1:2002, 61010-2-020:2006,61326-1:2006







Versions

Ref	Dimensions (mm)(w x d x h)			Net weight (Kg)	Voltage (V)	Frecuency (Hz)	Power (W)	Z max aconsejable (Hz)
CE 113	590	680	320	67	220-240	50-60	700	< 0.446
CE 119	590	680	320	67	110-120	50-60	700	< 0.446

Accessories for centrifuges Digicen 21 Series

															
ROTOR		SWING OUT	SWING OUT	SWING OUT	ANGLE FIXED	HORIZONTAL	ANGLE FIXED 45 °	ANGLE FIXED 35 °							
Capacity		4 x 50 ml.	4 x 100 ml.	2,4 o 6 Microtiter	32 de 0,2 ml.	24 de 1,5x 75 mm.	24 de 1,5-2 ml.	24 x 5 ml.							
R.P.M.		5.300	5.000	4.000	16.500	13.000	16.500	6.500							
Radius mm		145	147	122 (4)	55 (4)	86	82	113							
R.C.F.		4.554	4.109	2.182	16.741	16.250	24.959	5.338							
Min Temperature at max speed °C		-4	-4	0	2	1	2	1							
		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS	
Dim (mm)		Tubes	REF.	Tubes	REF.	Tubes	REF.	Tubes	REF.	Tubes	REF.	Tubes	REF.	Tubes	REF.
100 ml.	ø48 x 95	-	-	4	RE 446	-	-	-	-	-	-	-	-	-	-
80 ml. hs	ø38 x 112	-	-	4	RE 380	-	-	-	-	-	-	-	-	-	-
80 ml.	ø44 x 100	-	-	4	RE 338	-	-	-	-	-	-	-	-	-	-
50 ml. hs	ø29 x 108	4	RE 378	4	RE 381	-	-	-	-	-	-	-	-	-	-
50 ml.	ø35 x 100	4	RE 445	4	RE 335	-	-	-	-	-	-	-	-	-	-
50 ml. conical	ø29 x 117	4	RE 342	4	RE 341	-	-	-	-	-	-	-	-	-	-
30 ml. hs	ø25 x 98	4	RE 379	4	RE 382	-	-	-	-	-	-	-	-	-	-
30 ml.	ø25 x 96	4	RE 333	4	RE 332	-	-	-	-	-	-	-	-	-	-
15 ml.	ø16 x 100	4	RE 329	16	RE 316	-	-	-	-	-	-	-	-	-	-
15 ml. conical	ø17 x 122	4	RE 329	4	RE 339	-	-	-	-	-	-	-	-	-	-
10 ml. hs	ø16 x 80	4	RE 329	16	RE 316	-	-	-	-	-	-	-	-	-	-
10 ml.	ø13 x 100	12	RE 313	20	RE 320	-	-	-	-	-	-	-	-	-	-
10 ml. blood tubes	ø16 x 107	4	RE 329	16	RE 316	-	-	-	-	-	-	-	-	-	-
7/10 ml. blood tubes	ø13 x 107	4	RE 337	20	RE 320	-	-	-	-	-	-	-	-	-	-
5 ml.	ø13 x 75	12	RE 313	20	RE 320	-	-	-	-	-	-	-	-	24	-
5 ml. extr. blood tubes	ø13 x 82	4	RE 337	20	RE 320	-	-	-	-	-	-	-	-	24	-
1,5 x 75 mm. capillaries	ø1,5x75	-	-	-	-	-	-	-	24	-	-	-	-	-	-
microtubes 1,5-2 ml.	ø11x39	12	RE 463	20	RE 408	72	RE 401	-	-	-	-	24	-	-	-
microtubes 0,5-0,6 ml.	ø8x30	-	-	-	-	-	-	-	-	-	-	24	RE 305	-	-
microtubes 0,2-0,4 ml.	ø6x45	-	-	-	-	-	-	32 de 0,2 ml.	-	-	-	24	RE 304	-	-
128x86x15 microtiter		-	-	-	-	6	-	-	-	-	-	-	-	-	-
128x86x21 microtiter		-	-	-	-	4	-	-	-	-	-	-	-	-	-
128x86x45 microtiter		-	-	-	-	2	-	-	-	-	-	-	-	-	-
128x86x22 cell culture		-	-	-	-	4	-	-	-	-	-	-	-	-	-

(1) This rotor includes hermetic lids | (2) Fitting this tubes rotor lid can not be closed | (3) Check tubes features | (4) Medium radio on bucket

													
ROTOR		ANGLE FIXED 35 °	ANGLE FIXED 35 °	ANGLE FIXED 45 °	ANGLE FIXED 30 °	ANGLE FIXED 30 °	ANGLE FIXED 28 °						
Capacity		18 x 15 ml.	24 x 15 ml.	6 x 50 ml.	12 x 10ml. Hermet	8 x 30 ml. Hermet	6 x 50 ml. Hermet						
R.P.M.		4.200	4.200	6.000	15.000	13.500	9.000						
Radius mm		132	132/114	132	78	92	101						
R.C.F.		2.603	2603/2248	5.313	19.621	18.746	9.146						
Min Temperature at max speed °C		0	-1	1	4	4	1						
	Dim (mm)	ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS		ADAPTERS	
		Tubes	REF.	Tubes	REF.	Tubes	REF.	Tubes	REF.	Tubes	REF.	Tubes	REF.
100 ml.	ø48 x 95	-	-	-	-	-	-	-	-	-	-	-	-
80 ml. hs	ø38 x 112	-	-	-	-	-	-	-	-	-	-	-	-
80 ml.	ø44 x 100	-	-	-	-	-	-	-	-	-	-	-	-
50 ml. hs	ø29 x 108	-	-	-	-	6	RE 386	-	-	-	-	6	-
50 ml.	ø35 x 100	-	-	-	-	6	RE 447	-	-	-	-	-	-
50 ml. conical	ø29 x 117	-	-	-	-	6	RE 365	-	-	-	-	6	-
30 ml. hs	ø25 x 98	-	-	-	-	6	RE 387	-	-	8	-	6	RE 392
30 ml.	ø25 x 95	-	-	-	-	6	RE 362	-	-	8	-	6	RE 393
15 ml.	ø16 x 100	18	-	24	-	6	RE 361	-	-	8	RE 406	6	RE 394
15 ml. conical	ø17 x 122	18	-	12	-	6	RE 361	-	-	-	-	6	RE 394 (2)
10 ml. hs	ø16 x 80	18	RE 383	24	RE 384	6	RE 361	12	-	8	RE 391	6	RE 395
10 ml.	ø13 x 100	18	RE 359	24	RE 385	18	RE 360	-	-	8	RE 407	6	RE 396
10 ml. blood tubes	ø16 x 107	18	-	24	-	6	RE 361	-	-	-	-	6	RE 394
7/10 ml. blood tubes	ø13 x 107	18	RE 359	24	RE 385	6	RE 364	-	-	-	-	6	RE 396
5 ml.	ø13 x 75	18	RE 303	24	RE 306	18	RE 360	12	RE 389	8	RE 390	6	RE 397
5 ml. extr. blood tubes	ø13 x 82	18	RE 303	24	RE 306	6	RE 364	12	RE 389	8	RE 390	6	RE 397
1,5 x 75 mm. capillaries	ø1,5 x 75	-	-	-	-	-	-	-	-	-	-	-	-
microtubes 1,5-2 ml.	ø11 x 39	-	-	-	-	18	RE 464	-	-	-	-	18	RE 433
microtubes 0,5-0,6 ml.	ø8 x 30	-	-	-	-	-	-	-	-	-	-	-	-
microtubes 0,2-0,4 ml.	ø6x45	-	-	-	-	-	-	-	-	-	-	-	-
128x86x15 microtiter		-	-	-	-	-	-	-	-	-	-	-	-
128x86x21 microtiter		-	-	-	-	-	-	-	-	-	-	-	-
128x86x45 microtiter		-	-	-	-	-	-	-	-	-	-	-	-
128x86x22 cell culture		-	-	-	-	-	-	-	-	-	-	-	-