



Cell Handling



Model	Innova® 2350
Page(s)	347
Dimensions (W x D x H)	91.4 x 61 x 16.3 cm / 36 x 24 x 6.4 in
Weight w/o accessories	52 kg / 115 lb
Audible and visual alarms	yes
Drive mechanism	Triple-eccentric counterbalanced drive
cETLus and CE marked	yes
Benchtop (B), Under Bench (U), Floor (F) or Stackable (S)	B
Motor type	Solid state, DC brushless motor
Orbit	2.5/5.1 cm (1/2 in)
Platform size	91 x 61 cm (36 x 24 in)
Timer	0.1 – 99.9 h
Remote Device Monitoring and Notifications (VisioNize®)	–

Model	Innova® 2300
Page(s)	347
Dimensions (W x D x H)	76.2 x 56.6 x 16.3 cm / 30 x 22.3 x 6.4 in
Weight w/o accessories	48 kg / 105 lb
Audible and visual alarms	yes
Drive mechanism	Triple-eccentric counterbalanced drive
cETLus and CE marked	yes
Benchtop (B), Under Bench (U), Floor (F) or Stackable (S)	B
Motor type	Solid state, DC brushless motor
Orbit	2.5/5.1 cm (1/2 in)
Platform size	76 x 46 cm (30 x 18 in)
Timer	0.1 – 99.9 h
Remote Device Monitoring and Notifications (VisioNize®)	–



Model	Innova® 2050
Page(s)	349
Dimensions (W x D x H)	43 x 37 x 14.6 cm / 17 x 14.5 x 5.8 in
Weight w/o accessories	16 kg / 35 lb
Audible and visual alarms	yes
Drive mechanism	Triple-eccentric counterbalanced drive
cETLus and CE marked	yes
Benchtop (B), Under Bench (U), Floor (F) or Stackable (S)	B
Motor type	Solid state, DC brushless motor
Orbit	1.9 cm (0.75 in)
Platform size	41 x 31 cm (16 x 12 in)
Timer	0.1 – 99.9 h
Remote Device Monitoring and Notifications (VisioNize®)	–

Model	Innova® 2000
Page(s)	349
Dimensions (W x D x H)	35.5 x 37 x 14.6 cm / 14 x 14.5 x 5.8 in
Weight w/o accessories	15 kg / 33 lb
Audible and visual alarms	yes
Drive mechanism	Triple-eccentric counterbalanced drive
cETLus and CE marked	yes
Benchtop (B), Under Bench (U), Floor (F) or Stackable (S)	B
Motor type	Solid state, DC brushless motor
Orbit	1.9 cm (0.75 in)
Platform size	33 x 28 cm (13 x 11 in)
Timer	0.1 – 99.9 h
Remote Device Monitoring and Notifications (VisioNize®)	–



Model	Innova® 2150
Page(s)	348
Dimensions (W x D x H)	60.1 x 59.1 x 16.3 cm / 24 x 23.3 x 6.4 in
Weight w/o accessories	36 kg / 80 lb
Audible and visual alarms	yes
Drive mechanism	Triple-eccentric counterbalanced drive
cETLus and CE marked	yes
Benchtop (B), Under Bench (U), Floor (F) or Stackable (S)	B
Motor type	Solid state, DC brushless motor
Orbit	1.9 cm (0.75 in)
Platform size	61 x 46 cm (24 x 18 in)
Timer	0.1 – 99.9 h
Remote Device Monitoring and Notifications (VisioNize®)	–



Model	Innova® 2100
Page(s)	348
Dimensions (W x D x H)	48 x 55.5 x 16.3 cm / 19 x 21.9 x 6.4 in
Weight w/o accessories	34 kg / 75 lb
Audible and visual alarms	yes
Drive mechanism	Triple-eccentric counterbalanced drive
cETLus and CE marked	yes
Benchtop (B), Under Bench (U), Floor (F) or Stackable (S)	B
Motor type	Solid state, DC brushless motor
Orbit	1.9 cm (0.75 in)
Platform size	46 x 46 cm (18 x 18 in)
Timer	0.1 – 99.9 h
Remote Device Monitoring and Notifications (VisioNize®)	–



On page 398 you will find detailed information on services for these products!

Enabling Connections



VisioNize® box:
The easy-to-install hardware hub connects your VisioNize-qualified devices to VisioNize. The hub works as a translation system enabling data collection of the device data in VisioNize. Gain access to the functions and features of VisioNize. Learn more on the page 11.

www.eppendorf.com/visionize

Ordering information	
Description	Order no.
VisioNize® box, with mains/power adapter	1006 000 009
VisioNize® cable, Ethernet, length 5 m	1006 073 006



Cell Handling



Model	Innova® S44i	Innova® 44/44R	Innova® 43/43R
Page(s)	338	340	341
Temperature range	Incubated: 5 °C above ambient to 80 °C; Refrigerated: 20 °C below ambient (min. 4 °C) to 80 °C.	5 °C above ambient to 80 °C. (Innova 44R: 20 °C below ambient (min. 4 °C) to 80 °C) ¹⁾	5 °C above ambient to 80 °C. (Innova 43R: 20 °C below ambient (min. 4 °C) to 80 °C) ¹⁾
Temperature uniformity	±0.25 °C at 37 °C and 250 rpm	±0.25 °C at 37 °C	±0.25 °C at 37 °C
Speed range	2.5 cm orbit: 20 – 400 rpm, 5.1 cm orbit: 20 – 300 rpm	25 – 400 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit or 2 stacked units; 25 – 250 rpm with 3 stacked units	25 – 500 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit
Orbit	2.5/5.1 cm (1/2 in)	2.5/5.1 cm (1/2 in)	2.5/5.1 cm (1/2 in)
Benchtop (B), Under Bench (U), Floor (F) or Stackable (S)	F, S (x3)	F, S (x3)	F
Platform size	76 × 62 cm (30 × 24 in)	76 × 46 cm (30 × 18 in)	76 × 46 cm (30 × 18 in)
Slide-out platform	yes	yes	no
Drive mechanism	Eppendorf X-Drive with semi-automated counterbalance setting	Triple-eccentric counterbalanced drive	Triple-eccentric counterbalanced drive
Motor type	Solid state, DC brushless motor	Solid state, DC brushless motor	Solid state, DC brushless motor
Dimensions (W × D × H)	118.2 × 86.9 × 63 cm / 46.5 × 34.2 × 24.8 in	134.9 × 84.3 × 66 cm / 53.1 × 33.2 × 26 in	115.6 × 81.3 × 103.1 cm / 45.5 × 20 × 40.6 in
External height (with lid/door open)	115.8 cm (45.6 in) excluding base	113.9 cm (47 in) excluding base	165.1 cm (65 in)
External depth (with lid/door open)	–	–	–
Space-saving glide-up doors	yes	yes	no
Weight w/o accessories	198 kg / 437 lb	238 kg / 525 lb	209 kg / 445 lb
Audible and visual alarms	yes	yes	yes
Available program modes	> Constant speed and temperature > Time shaking mode up to 95:59 hours > Multi step programming/cycling – Parameters include shaking speed, temperature, time and (optional) photosynthetic light intensity	> Constant speed and temperature > Programmable multi-steps > RS-232 communication port	> Constant speed and temperature > Programmable multi-steps > RS-232 communication port
Steps per program	unlimited	15	15
Stored programs	unlimited	4	4
Timer	0.01 – 95.59 h, continuous	0.01 – 99.59 h, continuous	0.01 – 99.59 h, continuous
Memory	Non volatile with automatic power failure restart	Non volatile with automatic power failure restart	Non volatile with automatic power failure restart
cETLus and CE marked	yes	yes	yes
Remote Device Monitoring and Notifications (VisioNize®)	VisioNize-on-board	VisioNize-qualified	VisioNize-qualified

¹⁾ Configuration dependent



Innova® 42/42R	Innova® 40/40R	Excella® E25/E25R	Excella® E24/E24R
342	343	344	345
5 °C above ambient to 80 °C. (Innova 42R: 20 °C below ambient (min. 4 °C) to 80 °C) ¹⁾	5 °C above ambient to 80 °C. (Innova 40R: 15 °C below ambient (min. 4 °C) to 80 °C)	7 °C above ambient to 60 °C. (Excella 25R: 15 °C below ambient (min. 4 °C) to 60 °C)	7 °C above ambient to 60 °C. (Excella 24R: 15 °C below ambient to 60 °C)
±0.25 °C at 37 °C	±0.25 °C at 37 °C	±0.5 °C at 37 °C	±0.1 °C at 37 °C
25 – 400 rpm; 25 – 300 rpm when using flasks > 500 mL in stacked devices	25 – 500 rpm	50 – 400 rpm	50 – 400 rpm
1.9/2.5 cm (0.75/1 in)	1.9/2.5 cm (0.75/1 in)	2.5 cm (1 in)	1.9 cm (0.75 in)
B, U, S (x2)	B	F	B
46 × 46 cm (18 × 18 in)	46 × 46 cm (18 × 18 in)	76 × 46 cm (30 × 18 in)	46 × 46 cm (18 × 18 in)
Triple-eccentric counterbalanced drive	Triple-eccentric counterbalanced drive	Heavy-duty unicentric counterbalanced drive	Heavy-duty unicentric counterbalanced drive
Solid state, DC brushless motor	Solid state, DC brushless motor	Solid state, DC brushless motor	Solid state, DC brushless motor
63.5 × 74.5 × 881.8 cm / 25 × 29.3 × 32.8 in	55.9 × 76.2 × 61 cm / 22 × 30 × 24 in	127 × 77 × 105.9 cm / 50 × 30.5 × 41.7 in	56 × 76.2 × 61 cm / 22 × 30 × 24 in
–	101.6 cm (40 in)	165.7 cm (65.2 in)	101.6 cm (40 in)
131 cm (51.6 in)	–	–	–
no	no	no	no
98 kg / 217 lb	60 kg / 133 lb	204.5 kg / 450 lb	60 kg / 133 lb
yes	yes	yes	yes
> Constant speed and temperature > Programmable multi-steps > RS-232 communication port	> Constant speed and temperature > Programmable multi-steps > RS-232 communication port	> Constant speed and temperature > Timed shaking	> Constant speed and temperature > Timed shaking
15	15	–	–
4	4	–	–
0.01 – 99.59 h, continuous	0.01 – 99.59 h, continuous	0.1 – 99.9 h	0.1 – 99.9 h
Non volatile with automatic power failure restart	Non volatile with automatic power failure restart	Non volatile with automatic power failure restart	Non volatile with automatic power failure restart
yes	yes	yes	yes
VisioNize-qualified	VisioNize-qualified	–	–

SELECTION GUIDE

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