Distek BIOne 1250
Specifications



SPECIFICATIONS	DISTEK BIOne 1250
Dimensions	14"(W) x 22"(H) x 27"(D) / 36cm (W) x 56cm (H) x 69cm (D)
Weight	60lbs / 27kg
Single-Use Option	Yes - Distek BIOne Single-Use Bioreactor
Working Volume	Single-Use: 2L / 5L Autoclavable: 2L / 5L /10L
Number of Bioreactors per Controller	One
Bioreactor Working Volume Range	Single-Use: 0.9L - 5L / Autoclavable: 0.9L - 10L
Pumps	4 Variable Speed Pumps, Tubing Range 0.8mm ID to 4.8mm ID
Gas Control	Up to 5 Configurable MFCs or Rotameters
Gas Fittings	1/4" (6.35mm) OD Tube (Push-To-Connect)
Gas Inlet Pressure	10 - 15 psig / .0689 - .1034 mPa Inlet Pressure from Utility Supply
Bioreactor Interface	12.1" (30cm) Capacitive Touch Screen
Remote Access	Remote Viewing Via Any Web-Enabled Device
Alarm Notifications	Audio / Visual Local Alarm and Email & Text Alerts
Data Storage	Over 30 Days of Local Data Storage & Trending
Communication Ports	Ethernet and USB
Electrical Power	115V ± 15V 50/60Hz @ 10.0A or 230V ± 15V 50/60Hz @ 6.0A
Temperature Control (Single-Use)	5°C Above Ambient Conditions to 40°C
Temperature Control (Autoclavable)	5°C Above Ambient Conditions to 80°C*
Display Resolution	0.1°C
Accuracy	± 0.1°C
Cooling Water Connection	1/4" (6.35mm) Quick Connect
Cooling Water Utility Requirements	3 gpm @ 10 psig / 11.36 lpm @ .0689 mPa
Agitator Type	Magnetic Drive
Agitation Range (Single-Use)	15 - 450 RPM
Agitation Range (Autoclavable)	15 - 1250 RPM up to 5L, 15 - 900 RPM in 10L
Agitation Resolution	1 RPM
Agitation Accuracy	± 1 RPM
pH Control Range	pH 2 - 12
pH Resolution	0.01
DO Control Range	0 - 200%
DO Resolution	0.1%
User Management	Multiple Access Levels
Autostart After Power Failure	Yes
Top Storage Tray Dimensions	13" x 7" / 33cm x 18cm
* Use of an external chiller will allow temperature control at lower temperature.	

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