PRODUCT DATASHEET · ELECTRONIC DRY CABINET · V2.6.9

EJ-D255AE/BE/CE/PE
Dry cabinet

Precision humidity-controlled storage for moisture-sensitive electronic components, materials and precision instruments

255 L	1–60 %RH	±2 %RH	10^6–10^8 Ω
Storage volume	Humidity range	Sensor accuracy	ESD protection

Swiss SENSIRION sensor · CE / RoHS / C-Tick certified · IPC/JEDEC J-STD-033D compliant

01 Technical Specifications

Model	EJ-D255A/AE	EJ-D255B/BE	EJ-D255C/CE	EJ-D255P/PE
Humidity control range	20%~60% RH adjustable	10%~20% RH adjustable	1%~10% RH adjustable	1~3% RH adjustable
Average power	5W	6W	8W	10W
Maximum power	120W	130W	170W	
Sensor accuracy	±2%RH, ±1°C			1.5%RH, ±1°C
Material	Cold rolled steel plate			
Internal dimensions	W596 * D372 * H1148 mm			
External dimensions	W598 * D400 * H1310 mm			
Shelf quantity	3pcs			
Shelf load	60kg			
FCL load	250kg			
Power supply	110V/220V 50/60HZ			
N.W./G.W.	43kg/56kg			
Package dimensions	69*48*152cm/0.5CBM			
Note	E means ESD; ESD color: black (Standard supply is ESD); NON-ESD (White)			

02 Applications

Designed for the secure, long-term storage of humidity-sensitive electronic components and materials, including ICs, BGAs, wafers, and other semiconductor devices, as well as optical electronics, printed circuit boards, photovoltaic products, optical films and lenses, and precision instruments and meters. Fully compliant with IPC/JEDEC J-STD-033D.

Fully compliant with IPC/JEDEC J-STD-033D.

03 Product Features

01	**Precision Environmental Monitoring** Swiss SENSIRION industrial sensor for high-precision measurement. Real-time humidity (0~99% RH) and temperature (-9°C~99°C) displayed on bright LED segments for instant visibility.
02	**Heavy-Duty Construction** Built with 1.0–1.2mm premium steel. Reinforced with 3.2mm tempered glass door and magnetic airtight seal. Lockable casters provide both stability and mobility.
03	**Full ESD Protection** Electrostatic-safe design with anti-static coating (surface resistance 10^6–$10^8\Omega$) effectively prevents static buildup, safeguarding sensitive electronic components during storage.
04	**Energy-Efficient Performance** Upgraded dehumidifying unit delivers consistent low-humidity conditions while consuming less power—reducing operational costs and environmental impact.
05	**Advanced Safety Features** Flame-retardant dehumidifier housing ensures safe operation and fire resistance.
06	**Smart User Convenience** Built-in smart functions include fault alarm, calibration expiry reminder, display sleep mode, power-off memory, and automatic dehumidification compensation after power loss for uninterrupted protection.
07	**Global Certifications** Certified to CE, RoHS, and C-Tick standards. Protected by registered trademarks worldwide and patents in China, Germany, and the UK.

04 Optional Features

4.1 Material Options

- **Standard cabinet and shelves:** Cold-rolled steel
- **Customizable cabinet and shelves:** 304 mirror stainless steel (suitable for cleanroom environments)
- **Standard window:** High-strength tempered glass
- **Customizable:** ESD PC

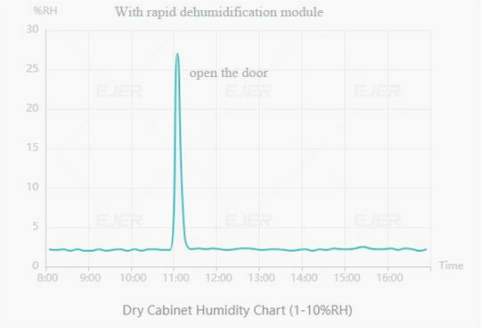
304 mirror stainless steel option,
suitable for cleanroom environments

4.2 Buzzer Alarm or Three-Color Light Alarm System

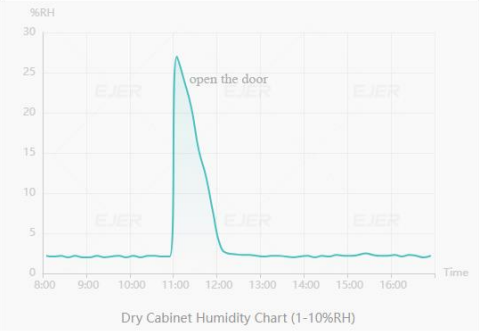
Optional audible buzzer or three-color indicator light provides immediate visual and acoustic notification whenever humidity drifts outside the configured range.

4.3 Rapid Dehumidification

- N2 dehumidification function.



Standard dry cabinet humidity chart (1–10%RH)



With rapid dehumidification module

4.4 Data Logging System

- **USB local recording** (FAT32 format)
- **Network Interface Logging:** the network interface complies with the TCP/IP protocol and can realize centralized management of multiple cabinets

4.5 Digital Code Lock

Keypad-controlled digital code lock restricts access to authorised operators only, protecting high-value components from unauthorised handling.

Keypad entry with Open / Alarm status indicator

4.6 LED Interior Lighting

- Auto-activated upon door opening.

05 Product Structure

ESD (black) model with digital display and control panel, tempered glass observation window, handle lock and dehumidifying unit.

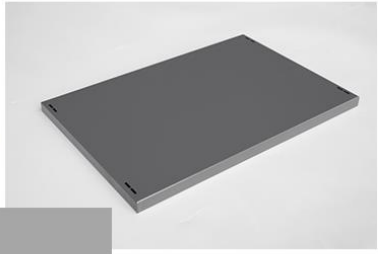
06 Component Details

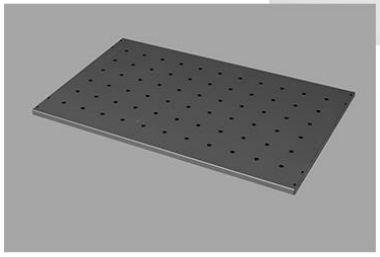
Digital display and control panel

Handle lock

Clapboard

(100L, 160L, 255L)





Clapboard with holes

(320L, 435L, 540L, 720L, 875L, 1440L)

Dehumidifying unit

Universal wheels

07 Application Scope & Storage Reference

Relative Humidity	Suitable storage of items
60%~50%	Paintings, antiques, paper money, ancient books, fax paper, copy paper
50%~40%	Cameras, video cameras, lenses, microscopes, endoscopes, binoculars, magnetic tape, disks, records, film, photographic film, musical instruments, stamps, furs, medicinal materials, tea, coffee, cigarette and etc.
40%~20%	Precision hardware molds, measurement instruments, all electronic parts, PC boards, metallic powders, semiconductors, medical supplies and etc.
20% or less	Sample, standard measuring tools, seeds, pollen, seedlings etc.
10%~20%	Electronic Components, IC, BGA and etc.
10% or less	Particularly sensitive to humidity of materials, such as IC, BGA and etc. with higher humidity requirements

08 Products of the Same Category — Dry Cabinet

Model Specifications & Humidity Ranges

A: 20%~60% RH adjustable	**B:** 10%~20% RH adjustable	**C:** 1%~10% RH adjustable
P: 1~3% RH adjustable	**PR:** 1%RH	**E:** ESD protected

Model	ESD Model	Volume	Internal dimensions (W*D*H) mm	External dimensions (W*D*H) mm
EJ-D100A/B/C/P	EJ-D100AE/BE/CE/PE	100L	446*372*598	448*400*688
EJ-D160A/B/C/P	EJ-D160AE/BE/CE/PE	160L	446*422*848	448*450*1010
EJ-D255A/B/C/P	EJ-D255AE/BE/CE/PE	255L	596*372*1148	598*400*1310
EJ-D320A/B/C/P/PR	EJ-D320AE/BE/CE/PE/PRE	320L	898*422*848	900*450*1010
EJ-D435A/B/C/P/PR	EJ-D435AE/BE/CE/PE/PRE	435L	898*572*848	900*600*1010
EJ-D540A/B/C/P	EJ-D540AE/BE/CE/PE/PRE	540L	596*682*1298	598*710*1465
EJ-D720A/B/C/P	EJ-D720AE/BE/CE/PE/PRE	720L	596*682*1723	598*710*1910
EJ-D875A/B/C/P/PR	EJ-D875AE/BE/CE/PE/PRE	875L	898*572*1698	900*600*1890
EJ-D1440A/B/C/P/PR-4	EJ-D1440AE/BE/CE/PE/PRE-4	1440L	1198*682*1723	1200*710*1910
EJ-D1440A/B/C/P/PR-6	EJ-D1440AE/BE/CE/PE/PRE-6	1440L	1198*682*1723	1200*710*1910

09 Related Certificates

For more details, please visit our website: www.ejercab.com

EJER TECHNOLOGY CO., LTD. · Tel.: +86-571-88596127 · E-mail: sales@ejercab.com