PRODUCT DATASHEET · ELECTRONIC DRY CABINET · V2.6.9

EJ-D1440AE/BE/CE/PE/PRE-6
Dry cabinet

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

1440 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-D1440A/AE-6	EJ-D1440B/BE-6	EJ-D1440C/CE-6	EJ-D1440P/PE-6	EJ-D1440PR/PRE-6
Humidity control range	20%~60% RH adjustable	10%~20% RH adjustable	1%~10% RH adjustable	1~3% RH adjustable	1%RH
Average power	8W	15W	20W	25W	45W
Maximum power	170W	340W	540W	680W	
Sensor accuracy	±2%RH, ±1°C				1.5%RH, ±1°C
Material	Cold rolled steel plate				
Internal dimensions	W1198 * D682 * H1723mm				
External dimensions	W1200 * D710 * H1910mm				
Shelf quantity	5pcs				
Shelf load	120kg				
FCL load	720kg				
Power supply	110V/220V 50/60HZ				
N.W./G.W.	145kg/176kg				
Package dimensions	130*80*206cm/2.2CBM				
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

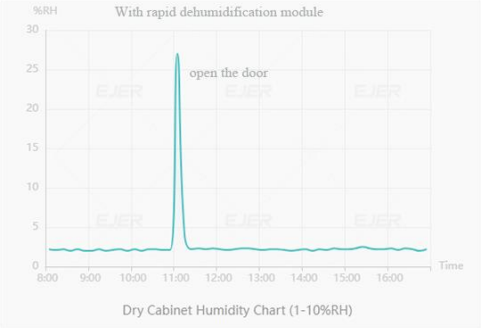
304 mirror stainless steel option,
suitable for cleanroom environments

4.2 Buzzer Alarm or Three-Color Light Alarm System

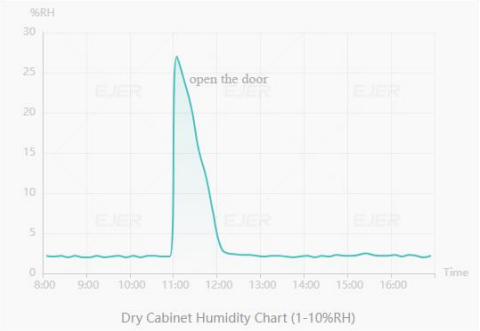
Optional audible buzzer or three-color indicator light provides immediate visual and acoustic notification whenever humidity drifts outside the configured range.

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 Low Temperature Baking System (EJ-D320/435/875/1440 series)

- Low temperature baking: From room temperature to 40°C.

4.6 Digital Code Lock

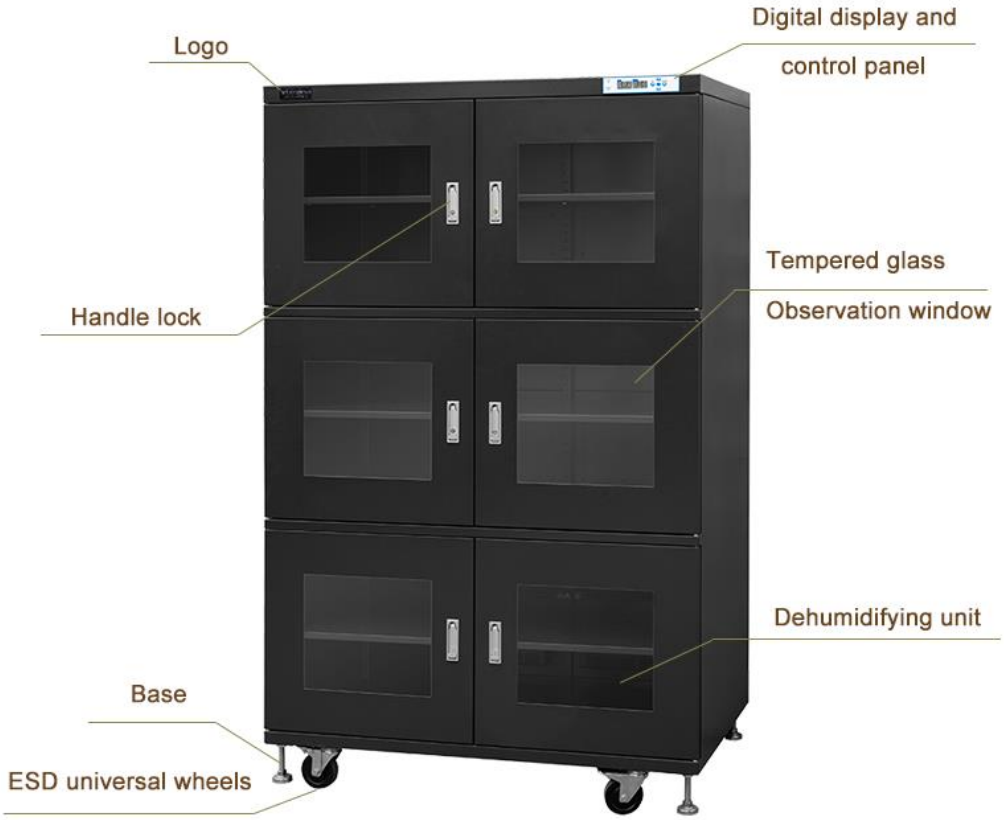
Keypad-controlled digital code lock restricts access to authorised operators only, protecting high-value components from unauthorised handling.

Keypad entry with Open / Alarm status indicator

4.7 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.

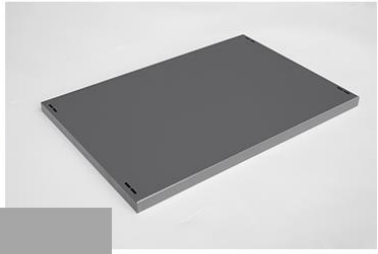
06 Component Details

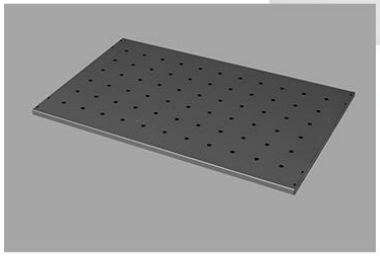
Digital display and control panel

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