PRODUCT DATASHEET · ELECTRONIC DRY CABINET · V2.6.9

EJ-D1440AS/BS/CS/PS-6-D
Dry Cabinet with Drawers

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



1440 L	1–60 %RH	±2 %RH	SUS 304
Storage volume	Humidity range	Sensor accuracy	Cabinet material

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

01 Technical Specifications

Model	EJ-D1440AS-6-D	EJ-D1440BS-6-D	EJ-D1440CS-6-D	EJ-D1440PS-6-D
Humidity control range	20%~60% RH adjustable	10%~20% RH adjustable	1%~10% RH adjustable	1~3% RH adjustable
Average power	8W	15W	20W	25W
Maximum power	170W	340W	540W	680W
Sensor accuracy	±2%RH, ±1°C			1.5%RH, ±1℃
Material	304 mirror stainless steel			
Internal dimensions	W1198 * D682 * H1723mm			
External dimensions	W1200 * D710 * H1910mm			
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	-4 means four doors; -6 means six doors.			

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.

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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	**Robust & Secure Construction** Made of 304 mirror stainless steel with height-adjustable high-capacity shelves; Features a 3.2 mm high-strength tempered glass door with magnetic sealing for an airtight closure; Lockable casters for easy mobility and stability;
03	**Energy-Efficient Performance** Upgraded dehumidifying unit delivers consistent low-humidity conditions while consuming less power—reducing operational costs and environmental impact.
04	**Advanced Safety Features** Flame-retardant dehumidifier housing ensures safe operation and fire resistance.
05	**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.
06	**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

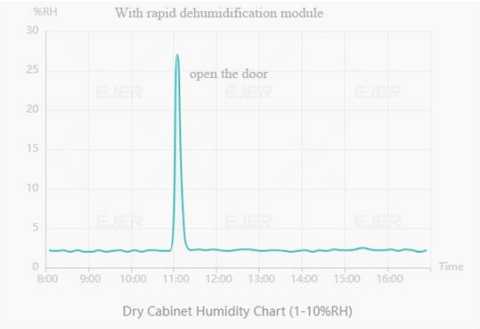
- **Standard window:** High-strength tempered glass
- **Customizable:** ESD PC

4.2 Buzzer Alarm or Three-Color Light Alarm System

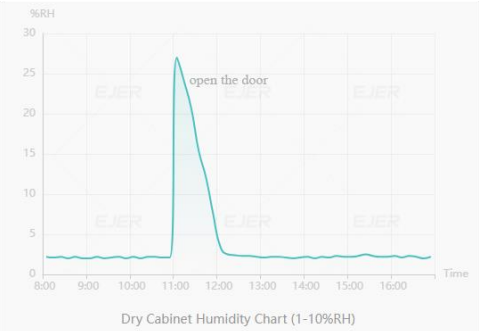
Optional audible buzzer or three-color indicator light provides immediate visual and acoustic notification whenever humidity drifts outside the configured range.

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

05 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

06 Related Certificates



















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