



## Cryogenic RFID Witnessing System

### COLD 10 X10 BOX READER

THE COLD 10X10 BOX READER IS A SOPHISTICATED DEVICE THAT IS USED TO READ BIOLOGICAL SAMPLES WITHIN A LN2 BATH ENVIRONMENT TO MITIGATE SAMPLE WARMING. ALL 99 SAMPLES CAN BE READ AUTOMATICALLY IN APPROXIMATELY 1 SECOND.

Lithium-ion rechargeable batteries power the unit and thermal heat generating pads keep the interior of the unit at operating temperature for the batteries and electronics.

These batteries are charged by contactless inductive charging by placing the unit on a charger base station outside of the LN2 environment.

The very low heat loss from the thermally efficient case ensures there is no heating of the biological samples.

#### SPECIFICATIONS

Communication	IEEE 802.15.1 2.4 GHz frequency Bluetooth SPP profile, BLE HID, and custom BLE service
Battery	Lithium-Ion rechargeable battery Each continuous usage cycle in LN2 vapour is limited to 45 mins 6- hour recharge time (wireless charging)
Dimensions L x W x H (mm)	220 x 220 x 145 220 x 220 x 180 (With wireless charging base)
Weight (kg)	2.5
Standards	Supports both ISO18000-3 and ISO/IEC 15693 RFID protocols
Data Rates	115.2 kbit/s
Protection Rating	IP 54
Operating Temperature (°C)	-196 to +40
Storage Temperature (°C)	0 to +35
Software	Drivers compatible with Windows 10 and 11
Warranty	1 year

WANT TO FIND OUT MORE ABOUT CRYOGENIC RFID? CONTACT US.

Specifications may change without notice. Third party trademarks acknowledged.

Si215/V1

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