

VERTRIEB DURCH:



**Ihr Anbieter für Geräte im Bereich
Labor, Mikrobiologie und Industrie.**

Wir sind für Sie da:

E-Mail: office@rieger-iv.at

Telefon: +43(1) 728 00 52

Fax: +43(1) 728 69 16

Rustenschacher Allee 10, 1020 Wien, Austria

www.rieger-iv.at





(picture of cod. 13114, 800 litres)

IRILAB NEXT™

NEW IMPROVED VERSIONS

**Upright ULT freezers -86°C
520 and 800 litres**

IRILAB Series -86°C Upright Ultra-Low Temperature Freezers provide full sample protection to your products with a complete data logging of all events. Log data can be saved on standard SD memory card or transferred to a computer via Ethernet connection (require CRYOLOG Data Management Software). These new 2014 version is designed for daily sample protection: improved wide voltage compressors, vacuum panels insulation plus PU, lower energy consumption, safer storage.

Main features of New upright IRILAB™ series

Temperature Range -50° to -86°C

Insulation 70 mm of HD Injected PU Foam and Vacuum Insulation Panel (V.I.P.)
Standard port hole with cap (diam. 23 mm)

Heavy frame with:

- Exterior in galvanized steel epoxy coated powder,
- Interior all stainless steel AISI 304 with rounded corners
- Five Inner Doors with independent gaskets
- Four adjustable Shelves
- Castors and levelling feet

Main door:

- With silicon double tight gasket
- Easy one hand opening system
- Push button with electromagnetic holder
- Heated vent valve for quick reopening

Cooling system:

- Static with two high performance compressors (cascade system)
- CFC free gases
- Low noise level (<52 dB)
- Removable front filter for easy cleaning

Standard Controller on IRILAB NEXT™ ULT freezers series is the **ColdBrain™**



The **ColdBrain™** microcontroller uses a back lighted LCD graphic display of 240 x 128 pixels with a touch keyboard and two independent electronics for:

- 1st - Power & Temperature management
- 2nd - Alarms handling

The architecture of **ColdBrain™** software is master / slave type with two independent sections. A self-diagnostic routine is full time active to double check both electronic sections and to avoid data loss. Alarms are turned on in case of bi-directional communication failure too.

ColdBrain™ acquires the inputs signals from the following peripherals:

1. four PT100 probes for temperature measurement of:
 - a. HI / LOW alarms,
 - b. power failure
 - c. internal temperature.
2. three NTC probes for temperature measurement of:
 - a. external ambient,
 - b. condenser occluded
 - c. max temperature compressor running

Alarms are activated through visual and acoustic signals by:

- TOO LOW / TOO HIGH temperature
- Lack of energy (power failure)
- Door ajar
- Low battery level
- Temperature probes failure
- Compressor failure
- **BIOGUARD** failure (if installed, see options)

Multitasking data management

Standard features of ColdBrain™ are:

- Temperature graphs on display for last 12 weeks period with 1 minute interval,
- Full alarms logging,
- Memory card (SD) for Temperature graph & alarms storage, exporting or printing,
- Memory card is password protected and encrypted for extra safety,
- Ethernet port with configurable TCP/IP address,
- Ready to use with **CRYOLOG - Data Management Software** (see options too),
- Integrated controller for CO2/LN2 back-up systems (see options too),
- Powerful battery back-up of 9Ah for all electronics (provide energy approx. for 36/48 h)
- Free contacts for remote alarms monitoring.

ORDERING INFORMATION AND OPTIONS

Code 13338 IRILAB NEXT™ 520 ULT freezer -86° - 520 liters

Net sizes & weight

- External: 730W x 854D x 1980H mm, 260 Kg
- Internal: 586W x 613D x 1470H mm
- Net volume 528 liters
- Inner doors 4
- Shelves 3

Shipping sizes & weight:

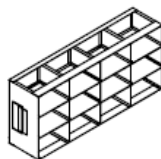
- Standard carton packaging: 800W x 950D x 2150H mm, 290 kg
- With optional wooden cage: 1150W x 1000D x 2250H mm, 320 kg

Mean energy consumption	0.71 KWh
Voltage	208 – 252 VAC, 50 Hz (60Hz optional),(115 VAC, 60hz optional)
Amperage	9A
VA	2070
Kcal/h emission	770

OPTIONAL ACCESSORIES for IRILAB NEXT 520 code 13338:

Code	Description
13349	Stainless steel internal shelf with supports (Max additional shelves: 10)
17133	Wooden cage

Storage racks



Code	Description
13232	S.S. rack 130Wx544Dx319H mm <u>with boxes</u> . On each shelf you can put max 4 racks (max buy 16 x freezer) Includes 24 boxes of 129x129x 50H mm, to specify what internal dividers to include
13231	S.S. rack 130Wx544Dx319H mm <u>without boxes</u> . On each shelf you can put max 4 racks (max buy 16 x freezer) Holds up to 24 boxes of 129x129x 50H mm (to buy separately).
13643	S.S. rack 130Wx544Dx318H mm <u>with boxes</u> . On each shelf you can put max 4 racks (max buy 16 x freezer) Includes 16 boxes of 129x129x 75H mm, to specify what internal dividers to include
13644	S.S. rack 130Wx544Dx318H mm <u>without boxes</u> . On each shelf you can put max 4 racks (max buy 16 x freezer) Holds up to 16 boxes of 129x129x 75H mm (to buy separately).

Code 13334 IRILAB NEXT™ 800 ULT freezer -86° - 800 liters

Net sizes & weight

- External: 1086W x 890D x 1985H mm, 364 Kg
- Internal: 906W x 609D x 1472H mm
- Net volume 810 liters
- Inner doors 5
- Shelves 4

Shipping sizes & weight:

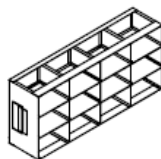
- Standard carton packaging: 1151W x 990D x 2120H mm, 389 kg
- With optional wooden cage: 1400W x 1200D x 2250H mm, 424 kg

Mean energy consumption	0.71 KWh
Voltage	208 – 252 VAC, 50 Hz (60Hz optional),(115 VAC, 60hz optional)
Amperage	9A
VA	2070
Kcal/h emission	770

OPTIONAL ACCESSORIES for IRILAB NEXT 800 code 13334:

Code	Description
13006	Stainless steel internal shelf with supports (Max additional shelves: 10)
17055	Wooden cage

Storage racks



Code	Description
13226	S.S. rack 130Wx544Dx266H mm <u>with boxes</u> . On each shelf you can put max 6 racks (max buy 30 x freezer) Includes 20 boxes of 129x129x 50H mm, to specify what internal dividers to include.
13228	S.S. rack 130Wx544Dx266H mm <u>without boxes</u> . On each shelf you can put max 6 racks (max buy 30 x freezer) Holds up to 20 boxes of 129x129x 50H mm (to buy separately).
12235	S.S. rack 130Wx544Dx239H mm <u>with boxes</u> . On each shelf you can put max 6 racks (max buy 30 x freezer) Includes 12 boxes of 129x129x 75H mm, to specify what internal dividers to include
13196	S.S. rack 130Wx544Dx239H mm <u>without boxes</u> . On each shelf you can put max 6 racks (max buy 30 x freezer) Holds up to 12 boxes of 129x129x 75H mm (to buy separately).

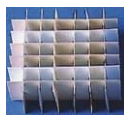
COMMON ACCESSORIES

Carton boxes for all racks



Code	Description
13838	10 boxes 133 x 133 x 50H mm without internal dividers
13839	10 boxes 133 x 133 x 75H mm without internal dividers

Internal dividers for all carton boxes



Code	Description
13840	25 internal dividers 49 cells, diam. each 15mm, for boxes 133x133x50 or 75H mm
13841	25 internal dividers 100 cells, diam. each. 12 mm for boxes 133x133x50 or 75H mm
13842	25 internal dividers 81 cells, diam. each 13 mm, for boxes 133x133x50 or 75H mm

Buy dividers as much as you want for your boxes.

Code	Description
12680	BIOGUARD™ - RFID card door opening system



BIOGUARD™ system uses RFID cards to automatically open the door without key. You can buy as many card as You like to be associated to one specific freezer only. This option increase the safety of your valuable products stored in the freezer. In case of card damaging or electronic failure, there is an emergency rescue key on the back of the cabinet to manually open the door without problem.

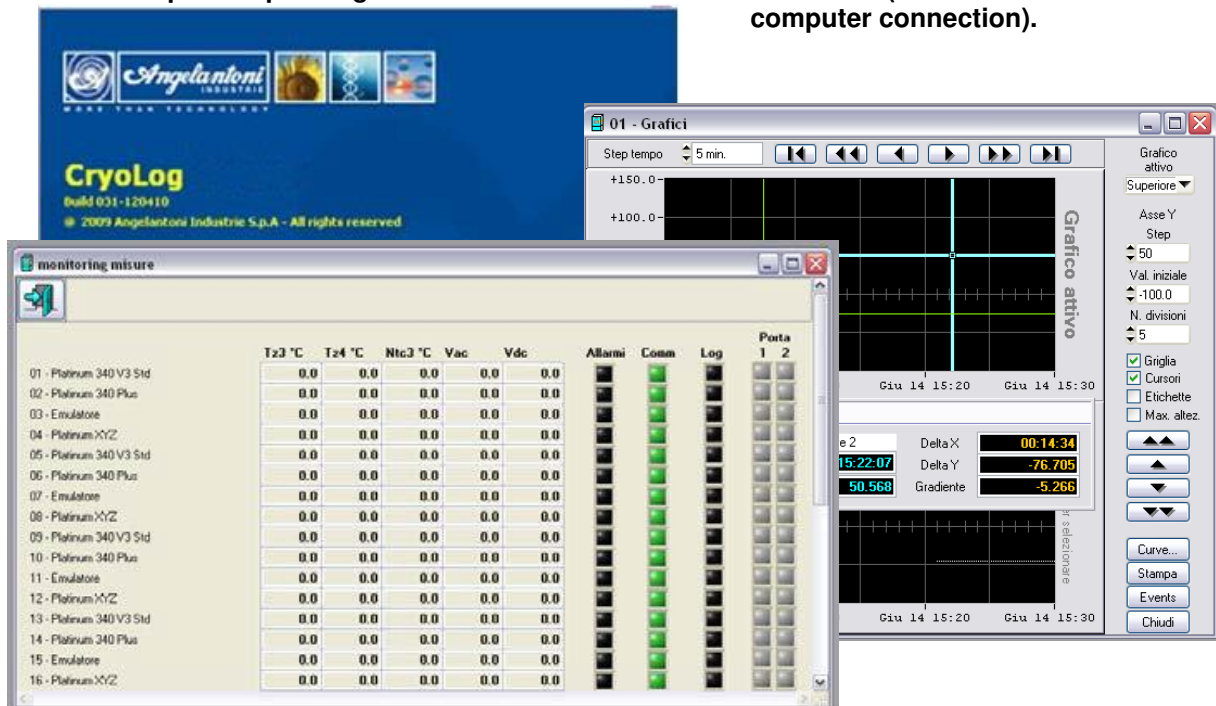
Code	Description
11352	7-days temperature chart recorder (pen + diagrams for 1 year)
12293	Kit for chart recorder (100 graph diagram and 2 pens)
11976	Additional user badge for BIOGUARD system (one card)
11234	Addition porthole 23 mm with cap
13353	CO2 back-up system (complete of battery, tubing and probe)
12107	LN2 back-up system (complete of battery, tubing and probe)
13233	Pt100 temperature probe for external measurement
12132	Pt100 temperature probe certified on 3 points for external measurement

NECESSARY ACCESSORIES FOR COMPUTER COMMUNICATION

Code 12124	Description CRYOLOG™ monitoring software for Windows computers
----------------------	---

IMPORTANT NOTES:

1. to connect the freezer to the computer where CRYOLOG is installed, You have to provide by yourself for two Ethernet cables of proper length and one Ethernet Hub: one cable is for freezer – HUB connection and one is for HUB computer connection,
2. if you have more than one freezer to put on line, pls buy as many Ethernet cables of proper length as the number of freezers you have. In this case, the Ethernet HUB must have a sufficient numbers of porta equal or greater than the number of freezers + one (last one free to be used for computer connection).



Main features of CRYOLOG

- Acquisition and monitoring of all data parameters,
- Ethernet communication with programmable TCP/IP address,
- Creation of a complete data base on computer hard disk,
- Log storage and shows of all events such as alarms, failures, door opening ...
- Fully programmable graphs view (curve, color, grid selection...).
- Possibility of multiple view of different temperature curves by movable cursor for best measurement.

MINIMUM COMPUTER REQUIREMENTS

Before install the SDM application please be sure that your computer includes at least the following equipment:

- Intel Pentium 4 processor or higher version
- 1 GB RAM
- 200MB of free space on the Hard-Disk
- 1280 x 720 minimum resolution, 16 million colors
- Two Ethernet cards
- Mouse & keyboard
- Windows Vista / 7 / 8

OTHERS TECHNICAL DATA

Product Name:

IRILAB Next®

Manufacturer:

Angelantoni Life Science S.r.L.
Loc. Cimacolle, 464
06056 Massa Martana (PG) - Italy

Reference Standards:

EN61010-1, 2011/65UE

CE Mark Reference Directive and Class:

EU Dir. 2006/65/CE, 2004/108/CE,
Class of insulation 1.

Power supply:

208 – 253 VAC 50 Hz

Ambient conditions of use:

Temperature: +10° ~ +32° C
Relative humidity: 30 ~ 85% without condensation

Stocking condition:

Temperature: +2° ~ + 50° C
Relative humidity: 20 ~ 80% without condensation

Alarms types:

Acoustic and Optical

In case of power black-out:

Compressors OFF (Controller is powered for 24-48h
by a battery back-up)

VERTRIEB / DISTRIBUTOR:

	RIEGER Industrievertretungen GmbH www.rieger-iv.at	Wir sind für Sie da: E-Mail: office@rieger-iv.at Telefon: +43(1) 728 00 52 Fax: +43(1) 728 69 16 Rustenschacher Allee 10 1020 Wien, Austria
---	---	--

A.L.S. - ANGELANTONI LIFE SCIENCE S.r.l.
Loc. Cimacolle, 464 – 06056 Massa Martana (PG) - Italy
Tel. +39-075-89551 Fax +39-075-8955312