NEW PRODUCT

CryoBiocAre
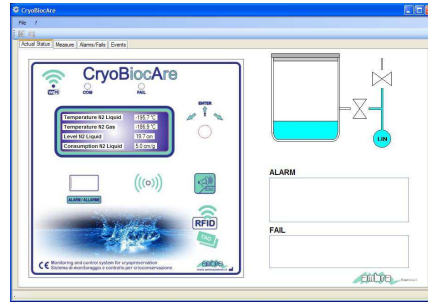
Monitoring and control system for cryopreservation freezer

Functions	Features
• Liquid and gas N2 temperatures with programmable alarm set points • LN2 monitoring and control by filling set points and programmable alarms • Filling management coordinate by remote • Calculation of daily LN2 consumption, alarm notifications for abnormal and excessive consumption • Local and remote management of freezer accesses (opening freezer) • Automatic defog in combination with freezer opening • Unauthorized opening freezer alarm management • Solenoid valves control for filling, bypass and washing • Event and alarm storage in non-volatile memory • Real time status monitoring and last log records by web server • Programming by rotary encoder	• Liquid, gas and bypass temperature measurements by PT1000 probes • LN2 level measurement by pressure transducer (standard) or capacimeter (option) • TAG reader for access management • Modbus RTU interface for remote control in cryobank applications. • WiFi interface with webmaster function, configurable as point to point (ad hoc), client of infrastructure (intranet) and static IP • Software application for real time and database management, working through WiFi connection

TAG reader provides control of access at level of single freezer in stand-alone or by supplying information to the central access control of the cryobank.

Web service supplies a basic means to inform in real time about status and last events, using a browser real time; software application included in the standard supply further provides database and sampling management with trends and historical records concerning alarms and events.

These functions are available in different connection methods: local point to point (ad hoc) or remote, in function of the available connection channel to which the WiFi interface is connected.

Web server service provides the current freezer status and the history of the last 48 hours.

- Temperature, level and current consumption
- Freezer status (operative, filling, open, fault, etc…)
- Solenoid valves status
- Current alarms
- Last 10 /20 records log file