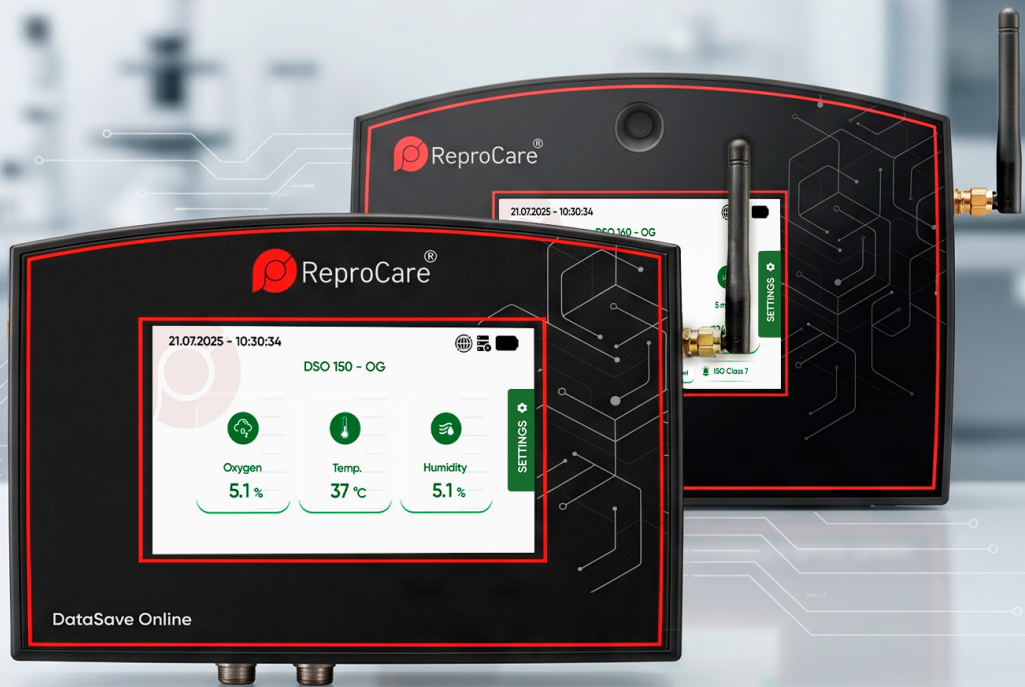




DATA SAVE ONLINE

LABORATORY PARAMETER RECORDING, REPORTING, & ALARM MONITORING SYSTEM

DSO



24/7 Continuous Monitoring

Keep critical laboratory data under constant supervision.



Instant Emergency Notifications

Take rapid action via email, SMS, app notifications, and phone calls.



Battery-Backed Protection

Supports system reliability during power outages.



Advanced Reporting

Easily access all measurement data and generate detailed reports.

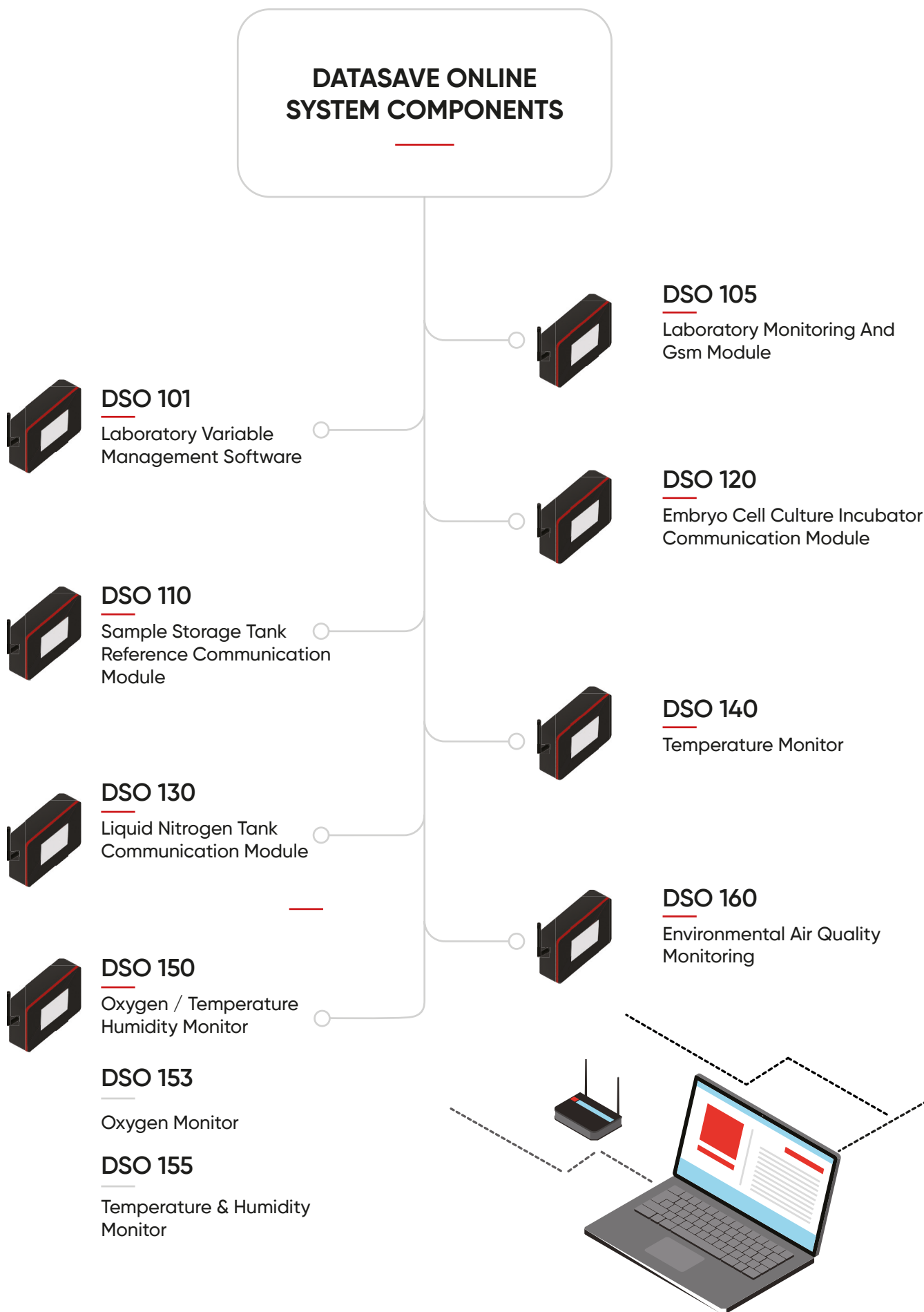
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DATA SAVE ONLINE

LABORATORY PARAMETERS RECORDING, REPORTING, AND ALARM MONITORING SYSTEM

Designed for modern laboratories, the DataSave Online System delivers continuous, real-time monitoring of critical parameters with maximum reliability and precision. Powered by advanced technology, it ensures uninterrupted operation and maintains full protection against power failures through its integrated battery backup system.

DataSave Online provides seamless wired and wireless connectivity over a unified network infrastructure, enabling effortless integration into laboratory environments. It continuously monitors, records, and reports key conditions across incubators, cryogenic storage tanks, refrigerators, and essential environmental parameters such as temperature, humidity, and oxygen levels—ensuring 24/7 control and full traceability of critical data.

In critical situations, the system responds instantly. Automated alerts are delivered through email, SMS, mobile notifications, and voice calls, enabling rapid awareness and immediate action when it matters most.

DSO 101

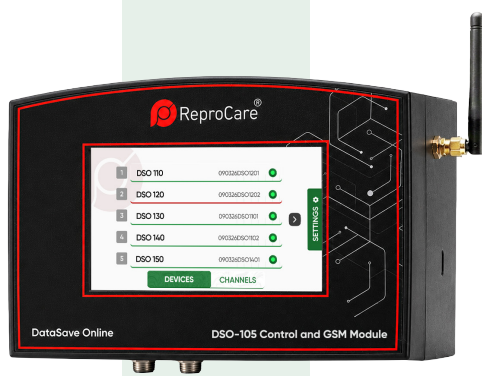
LABORATORY VARIABLE MANAGEMENT SOFTWARE

The DataSave Online System is an advanced monitoring and reporting software that enables the secure collection, management, and archiving of data obtained from connected modules. Data is automatically recorded at user-defined intervals ranging from 1 to 99 minutes, providing uninterrupted data monitoring.

In predefined alarm scenarios, the system instantly reaches relevant personnel via e-mail, SMS, mobile application notifications, and automated phone calls, supporting rapid action. The system allows recorded data to be viewed and analyzed retrospectively in the form of graphical or tabular reports.

DSO 105

LABORATORY MONITORING AND GSM MODULE



DSO 105 continuously monitors the connection status of all components within the DataSave Online System and serves as the main control unit that informs users in alarm scenarios.

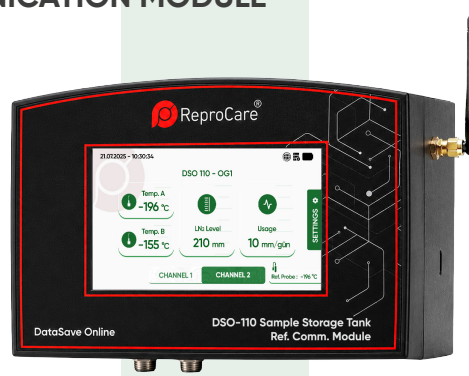
- SMS sending can be performed in alarm situations through the GSM module with SIM card support. Mobile application notifications can be delivered and automatic phone calls can be made, enabling rapid communication with relevant personnel.
- The 4 input contacts on the device allow alarm signals from different devices with contact alarm outputs in your laboratory to be integrated into the system. All critical alarms can thus be managed from a single center
- The 2 output contacts operate with on/off logic in alarm scenarios, enabling external devices or warning systems to be triggered.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
Contact Input/Output:	4 Inputs / 2 Outputs

DSO 110

SAMPLE STORAGE TANK REFERENCE COMMUNICATION MODULE



DSO 110 enables the recording of data from your frozen sample storage tanks by receiving tank data through communication ports. With an optionally addable PT100 witness/reference temperature sensor, the temperature values inside the tank can also be measured and recorded in real time.

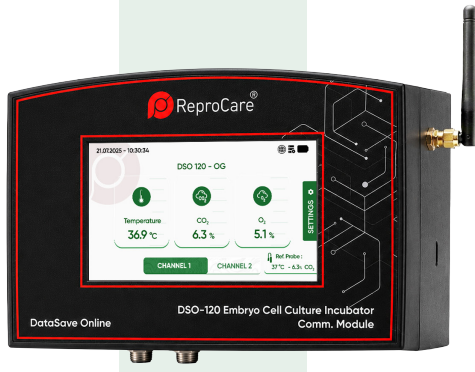
- The device is capable of monitoring and recording data from 2 tanks simultaneously. It has communication capability with the widely preferred CHART TEC3000 and Vario control modules.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
Tank Input Capacity:	2 units
Witness Sensor:	2 units

DSO 120

EMBRYO CELL CULTURE INCUBATOR COMMUNICATION MODULE



DSO 120 Embryo/Cell Culture Incubator Module has been developed within the DataSave Online System to monitor and record incubator temperature, CO₂, and O₂ data in real time via communication ports.

- CO₂ measurement sensor and PT1000 witness/reference temperature sensor can optionally be integrated into the module. In this way, CO₂ concentration and temperature values inside the incubator can be independently measured in real time and recorded.
- DSO 120 is capable of collecting and recording data from 2 incubators simultaneously.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
Incubator Input Capacity:	2 units
Witness Sensor CO ₂ - PT 100	2-2 units (Optional)

DSO 130

LIQUID NITROGEN TANK COMMUNICATION MODULE



DSO 130 enables the monitoring and recording of data from level and pressure sensors with 4–20 mA and 0–10 V outputs installed on pressurized liquid nitrogen tanks. The obtained data can be viewed in real time and analyzed retrospectively.

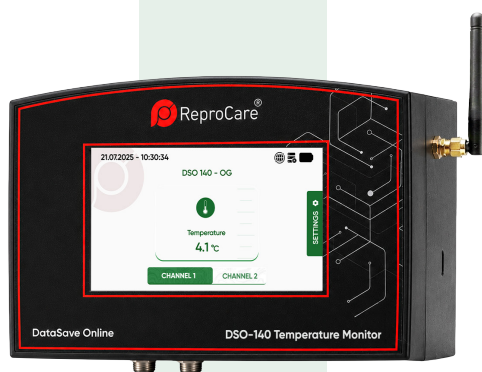
- The system is capable of collecting and recording data from 2 liquid nitrogen tanks simultaneously.
- DSO 130 has 2 relay outputs that enable solenoid valves to be triggered according to predefined scenarios. In this way, the solenoid valve on the liquid nitrogen tank's liquid outlet line can be controlled, allowing liquid nitrogen flow to be managed and automatic filling processes to be supported.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
Tank Input Capacity:	2 units
Measurement Feature:	4 - 20 mA

DSO 140

TEMPERATURE MONITOR



DSO 140 measures and records temperature values inside incubators, refrigerators, and frozen sample storage tanks in real time via a PT100 temperature sensor and enables continuous monitoring.

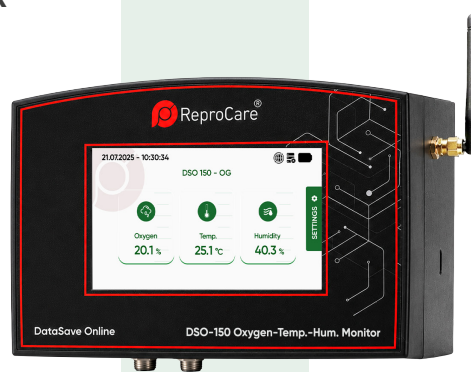
- The two independent channels available on a single module allow temperature measurements from 2 different devices to be performed and recorded simultaneously.
- Upper and lower temperature alarm limits can be easily defined by the user via the screen interface. If the temperature goes outside the defined range, the device immediately notifies the user by providing audible and visual alarms.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
Sensor Type:	PT100
Relay Output:	2 units

DSO 150

OXYGEN / TEMPERATURE / HUMIDITY MONITOR



DSO 150 measures and records oxygen (O₂), temperature, and humidity levels in the laboratory environment in real time via its integrated sensors and enables continuous monitoring.

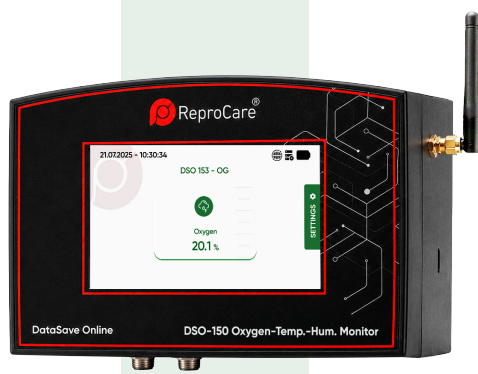
- The device has a two-stage O₂ alarm feature that can be configured by the user in order to keep oxygen levels within safe limits. Two contact outputs are available for first- and second-level alarm scenarios.
- In addition, the device generates an alarm and notifies the user if temperature and humidity values exceed the limits defined by the user.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
O ₂ Measurement Range:	0-100%
Temperature Measurement Range:	-40°C / +80°C
Humidity Measurement Range	0-100%
Relay Output:	2 units

DSO 153

OXYGEN MONITOR



DSO 153 enables real-time measurement, monitoring, and recording of ambient oxygen (O₂) levels in IVF and stem cell culture laboratories. In this way, it helps users stay informed about critical O₂ fluctuations, while allowing recorded data to be reported retrospectively and ensuring full traceability.

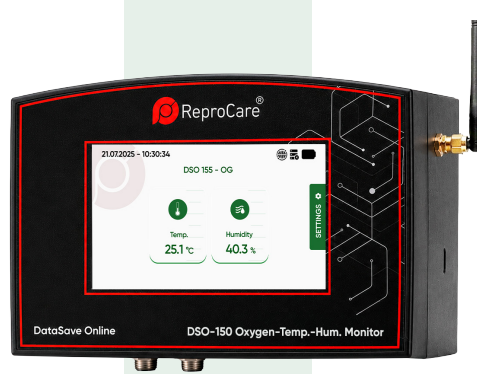
- The device has a user-configurable two-stage O₂ alarm feature to ensure oxygen levels are monitored within safe limits. Two contact outputs are available for first- and second-level alarm scenarios.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
O ₂ Measurement Range:	0-100%
Relay Output:	2 units

DSO 155

TEMPERATURE & HUMIDITY MONITOR



DSO 155 enables real-time measurement, monitoring, and recording of ambient temperature and humidity values in IVF and stem cell culture laboratories. In this way, it allows users to continuously track environmental conditions, while providing full traceability through retrospective reporting of recorded data.

- In case the alarm limits defined by the user are exceeded, the device provides audible and visual alarms, helping to quickly inform relevant personnel.

Technical Specifications:

External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
Temp. Measurement Range	-40°C / +80°C
Humidity Measurement Range	0-100%
Relay Output:	2 units

DSO 160

ENVIRONMENTAL AIR QUALITY MONITORING



DSO 160 is a high-precision environmental monitoring device developed to monitor air quality in laboratories, cleanrooms, production areas, and other controlled environments. It continuously measures airborne particle concentrations and Volatile Organic Compound (VOC) levels in real time, enabling continuous air quality control.

The device helps identify airborne contamination risks in areas where critical processes are performed and supports environmental monitoring activities required within quality management systems.

Key Features

- Real-time airborne particle monitoring
- VOC (Volatile Organic Compound) concentration tracking
- High-precision sensor technology
- Continuous and reliable data acquisition
- User-friendly interface
- Suitable for laboratories, cleanrooms, and industrial applications
- Easy integration into quality and environmental monitoring systems

Technical Specifications:	
External Dimensions:	170 x 110 x 65 mm
Screen:	4.3" Capacitive Touch Screen
Power:	5 V - 1.5 A
Battery Backup:	Available
Relay Output:	2 units

Particle		T-VOC
Sensor Feature:	Laser scattering	MOX-Based Digital Gas Sensing Technology
Air Quality Classification:	ISO CLASS-5,6,7,8,9	1 (Excellent), 2 (Good), 3 (Moderate), 4 (Poor) ,5 (Unhealthy)
Units:	Particles/m3 - Particles/L	ppm- ppb
Particle Sizes:	0.3 µm, 0.5µm, 1µm, 5µm	-



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