

FRED® easy Online

A new concept of use for AEDs

Across the world, all public places like schools, companies, airports, sports arenas, shopping centres, but also hospitals, rescue services and fire departments face tremendous challenges in providing excellent security and first aid for a large number of people.

With SCHILLER's new concept of networking AEDs, FRED® easy Online, when a device is taken away from its docking station for an intervention, an automatic alarm is sent to the central station. From which SMS, E-mail, etc. can be sent to for ex. the closest rescue service.

The FRED® easy Online units are permanently connected to a network (through Ethernet or Wifi). All connected AEDs are always under full control and can be directly managed from the central station.

The FRED® easy is available in semi-automatic or fully automatic mode with an optional metronome option to guide the rescuer during the CPR phase.

After an intervention, the data (ECG, events, etc.) is automatically sent to the server as soon as the AED is placed back to its docking station.



Full control for 24 hours a day, 365 days a year:

- Battery level
- Self test results
- Software update and settings adjustment from the central station
- Early warning capabilities (by SMS, E-Mail, etc.)
- Easy, quick and secure patient data transfer
- Centralized data
- Multi-user access to the data protected by password

Since FRED® easy Online permanently exchanges data with the central station, an external power supply saves the internal battery.

External power supply by:

- Power over Ethernet (PoE)
- Standalone power supply



SCHILLER
The Art of Diagnostics

Technical data FRED® easy Online:

Dimensions: 70 mm x 230 mm x 220 mm (h x w x d)
Weight: Approx. 1.5 kg incl. battery
Defibrillation waveform: Pulsed biphasic - **MULTIPULSE BIOWAVE®**
Energy levels*: Configurable from 1 to 150 J (adults) or 1 to 70 J (pediatric); automatic detection of pediatric electrodes
Manual mode (option): Override of the AED mode to initiate charge and shock delivery. Charging is started with the green ANALYSIS button and shock delivered with the orange SHOCK button.
Power supply: Li-MnO₂ cell
Screen: LCD: 100 mm x 37 mm, high resolution with LED background lighting, text display and optional ECG display (configurable)
Defibrillation electrodes:
 - Adults: 75 cm² surface area per electrode; electrode cable length: 2 m
 - Pediatric: 38 cm² surface area per electrode; electrode cable length: 1.4 m
Standards: The unit complies with all relevant standards for patient safety and operating conditions.

Storage, programming, communication:

Software update: From central station via network
Storage option: 500 events or 30 minutes recording of ECG and ambient noise.
Communication: Transmission of events, ECG, patient resistance and voice (configurable)

Docking station:

Network connection: Type 10 Base T 10/100 MB
Ethernet cable: Standard (category 5)
FRED® easy Online configuration: From central station via network. Identification in the network in DHCP mode or via a fixed programmable IP address
Server software: LifeDataNet
 The server can be provided by SCHILLER (LifeDataBox) or by the customer. It must be compatible with Windows 2003 IIS 6.0 or Linux Redhat (service Apache) and be able to execute PHP script.
 A dedicated server is recommended.
 Communication protocol between FRED easy and the server is https (secure http) during data transfer and SNMP (Simple Network Management Protocol) during monitoring.
 Minimum PC requirements:
 Processor: Type Celeron or Duron
 Clock frequency: 1 GHz
 Memory: 1 GB
 Hard disk: 20 GB
 Network interface: Ethernet 10/100
AED evaluation software: SAED Reader

* The energy levels of the unit are defined by the unit software configuration. Other values can be set by SCHILLER AG.

All specifications are based on an environmental temperature of 25° C (if not separately indicated).
 Technical data are subject to change without prior notice. No liability is assumed for pictures.



FRED easy Online is available either in semi-automatic or fully automatic mode with the following options:

Options:	Semi-automatic	Fully-automatic
ECG display	•	
Manual mode	•	
Metronome	•	•
Power over Ethernet	•	•

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