

# FRED® easy automatic

## Save lives, too!

In Europe, 400 000 persons die of sudden cardiac arrest every year. The survival rate is estimated at a mere 3 to 4%. The professional rescue services are well equipped but often arrive too late. The time to intervention by a rescue team is usually 7 to 8 minutes. To increase the chance of survival however, the defibrillation should be applied within the first 5 minutes after a cardiac arrest.

„1 lost minute = 10% decrease in the chance of survival.“

### Cardiac arrest

Cardiac arrest is a consequence of a disturbance of the electric activity in the heart, most often an abnormal heart rhythm called ventricular fibrillation. The current impulses in the heart no longer follow the normal pathways and fail to synchronise the muscle cells, provoking the sudden arrest of the heart's pumping activity. The victim breaks down and faints very quickly – most often without warning.

### Defibrillation is the only treatment

On defibrillation, an electric shock is applied to resynchronise the activity in the heart. The defibrillator automatically analyses the victim's heart rhythm and delivers a shock if required. Being very easy and safe to use, today's automated defibrillators are accessible to anyone for use anywhere: at home, in the street, at public events, in supermarkets, in swimming baths, in sports centres, in hotels, at airports, at railway stations, for public transportation...

In an emergency, a defibrillation can be applied by the victim's relatives or bystanders: parents, colleagues, police, security officers, etc.

### Easy to use

1. Switch the unit on
2. Place the electrodes on the patient's chest as indicated on the pouch
3. Follow the device's voice and displayed instructions



### Ready at any time in an emergency

- A regular self-test ensures the unit's readiness for use
- Durable battery (5 years standby)
- No maintenance

### Autonomous and highly reliable device

#### «It does not only happen to the others»

##### Joan (13 years)

«While playing on her PC on a Christmas evening, Joan became a victim of sudden cardiac arrest and was brought back to life thanks to the quick use of a defibrillator. This event happened without prior warning whatsoever. Joan's heart had stopped because of an undetected inflammation of the myocardium caused by a virus infection. Without immediate resuscitation measures and the quick use of a defibrillator, the girl would not have had any chance of survival. Joan's vital functions could be maintained thanks to immediate cardiac massage and ventilation by a neighbour and the quick help of a rescue team equipped with a defibrillator. The emergency physician, who arrived shortly after, could transfer the girl to a children's hospital in stable condition. This was an ideal first aid scenario.»



**SCHILLER**  
The Art of Diagnostics

## Technical specifications FRED® easy automatic :

### Dimensions:

70 mm x 230 mm x 220 mm (h x w x d)

### Weight:

1.5 kg with battery

### Defibrillation impulse:

Biphasic pulsed - MULTIPULSE BIOWAVE® (patented)

### Energy levels:

Configurable to 1 to 150 J (adults) or 1 à 70 J (pediatric); automatic detection of pediatric electrodes

### Power supply:

Li-MnO<sub>2</sub> battery or NiCd rechargeable battery

### Display:

LCD, 100 mm x 37 mm, high resolution, with background lighting and text display; ECG display as an option

### Voice instructions:

Configurable volume

### Auto test:

Audible alarm and flashing LED in standby mode if there are no problems with the device (and battery)

### Defibrillation electrodes:

- Adult: 78 cm<sup>2</sup> active surface per electrode; cable length: 2 m

- Pediatric: 28 cm<sup>2</sup> active surface per electrode; cable length: 1.40 m

### Standards:

Meets the relevant standards regarding patient safety and operating conditions

### Storage, programming, communication:

- SD card or internal memory for the recording of ECG, events and ambient noise

- Data transmission to a server via a network using the automatic FRED easy Ethernet

### Software update:

Via PC/laptop interface

Technical data and images are subject to change without notice.

### Asia

#### SCHILLER Asia-Pacific

52200 Kuala Lumpur, Malaysia  
Phone +603 6272 3033  
sales@schiller.com.my  
www.schiller-asia.com

### Austria

#### SCHILLER Handelsgesellschaft mbH

A-4040 Linz  
Phone +43 732 70 99-0  
sales@schiller.at  
www.schiller-austria.com

### China

#### SCHILLER International Trading Co. Ltd.

200335 Shanghai, China  
Phone +8621 6209 9627  
sales@schiller.com.my  
www.schiller.cn

### France

#### SCHILLER Médical S.A.S.

F-67162 Wissembourg/Cedex  
Phone +33 3 88 63 36 00  
info@schiller.fr  
www.schiller-france.com

### France (bureau Paris)

#### SCHILLER France S.A.S.

F-77608 Bussy-Saint-Georges  
Phone +33 1 64 66 50 00  
info@schillerfrance.fr  
www.schiller-france.com

### Germany

#### SCHILLER Medizintechnik GmbH

D-85521 Ottobrunn  
Phone +49 89 62 99 81-0  
info@schillermed.de  
www.schiller-germany.com

### Hungary

#### SCHILLER Diamed Ltd.

H-1141 Budapest  
Phone +36 (1)460 05 92  
sales@t-online.hu  
www.schiller-hungary.hu

### India

#### SCHILLER Healthcare India Pvt. Ltd.

Mumbai - 400 059, India  
Phone +91 222 2826 35 20  
sales@schillerindia.com  
www.schillerindia.com

### Japan

#### SCHILLER Japan, Ltd.

Hiroshima 734-8551  
Phone +81 82 250 2055  
koji.maekawa@schiller.jp  
www.schiller.jp

### Poland

#### SCHILLER Poland Sp. z o.o.

PL-02-729 Warszawa  
Phone +48 22 843 2089  
schiller@schiller.pl  
www.schiller.pl

### Russia & C.I.S.

#### SCHILLER AG

125124 Moscow, Russia  
Phone +7 (495) 970 11 33  
mail@schiller-ag.com  
www.schiller-cis.com

### Spain

#### SCHILLER ESPAÑA, S.A.

E-28230 Las Rozas/Madrid  
Phone +34 91 713 01 76  
schiller@schiller.es  
www.schiller-spain.com

### Switzerland

#### SCHILLER-Reomed AG

CH-8953 Dietlikon  
Phone +41 44 744 30 00  
sales@schiller-reomed.ch  
www.schiller-reomed.com

### Turkey

#### SCHILLER TÜRKİYE

Okmeydanı-Sisli - Istanbul  
Phone +90 212 210 8681 (pbx)  
sales@schiller-turkiye.com  
www.schiller-turkiye.com

### USA

#### SCHILLER America Inc.

Doral, Florida 33122  
Phone +1 786 845 0620  
sales@schilleramerica.com  
www.schilleramerica.com

06/07



Part no.: 2.500461

Your specialist:

