FM-180 Specifications

Overall	
LCD Resolution	112 dot x 72 dot (graphics)
Recording time	Continuous 24 hours
Internal Clock	RTC
Backup battery	Lithium battery
	Service life six (6) years or more
Patient EVENT recording	EVENT switch
	Records up to twelve (12) times / min
Recording media	SD card (SD-1 G)
	Multimedia card (MMC-128)
ECG signal recording unit	
Number of recording channels	bi-polar 2/3 channels, unipolar 2/3 channel
Input impedance	10 MQ or more
CMRR	60 dB or more
Gain ratio	300x (A/D input)
Frequency response	0.05/0.67 - 40 Hz
Sampling frequency	125 Hz
Dynamic range	±5.00 mV
Minimum resolution	±9.76 µV
Pacemaker pulse detection	
Detection channel	given 1 channel
Acceleration sensor	3 axial directions (static position information detection)
Switches	2 units (EVENT, ON⊙ / ENTER)
Buzzer	1 unit (separate excitation)
Power supply	AAA-size battery
Dimensions (W x H x D)	Approx. 62 mm x 65 mm x 18 mm
Weight	A pprox. 78 g (including the battery and the memory card)
Service Life	6 years

SCM-510W Holter Software

Hardware Requirements	
Personal Computer	
Operating System	Windows XP Professional Windows Vista Home Premium Windows 10 Pro (English/German/French/Italian/Spanish)
CPU	Pentium 4 1.8GHz or above
Hard Disk Space	Program Area 100MB or above,NTFS File System Data Area 20GB or above,NTFS File System
Memory Capacity	512MB or above (Windows XP) 1GB or above (Windows Vista) 4GB or above (Windows 10)
Display Resolution	XGA(1024×768) or SXGA (1280×1024) 16-bit color or above
DPI Setting	Normal Size (96DPI)
Card Reader	Multi Media card and SD card should be readable
CD-ROM Drive	CD-R media should be readable
Removable Disk Device	DVD-RAM Drive
PDF Viewer	Adobe Reader X

FUKUDA DENSHI reserves the right to change specifications without notice.

FUKUDA DENSHI CO.,LTD.
39-4, Hongo 3-chome, Bunkyo-ku, Tokyo 113-8483, Japan
Tel: +81-3-5684-1455 Fax: +81-3-3814-1222
www.fukuda.com

Distributed by:

Printed in Japan NP.No.20210525Ⓚ

Digital Holter ECG Recorder

DigitalWalk

FM-180

FUKUDA

New Standard for durability and performance

Durability in extreme environments

Water Proof Design

The FM-180 24 hour Holter recorder sets a new standard for durability and performance in extreme environments, while providing new information about a patient's anatomical positions during testing. The FM-180 was designed for use in aquatic environments making it suitable for exercise physiology labs, sports medicine and health clubs.
The waterproof design allows patients to maintain normal life-style by not interfering with routine bathing or showering.

For Exercise and Sports

Sports Medicine and training programs will benefit from the sophisticated design of the FM-180, which has been designed to the rigorous standards of the JIS protection class 8. (IPX8)

Smart Tri-axial Sensors

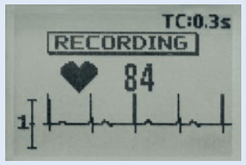
The FM-180 uses smart Tri-axial sensors that simultaneously record and report a patient's body position in relation to recorded ECG.
This innovative technology helps physicians determine if changes in wave-forms are caused by body position or underlying physiology.

Easy to Use Flexible Display

The FM-180 eliminates complicated programming by featuring a simple selector button that allows users to choose the information they want displayed. A simple click of the button allows the user to display either 2 or 3 channels of ECG or select Heart Rate.

▲2/3 Ch ECG

▲HR and time



▲HR and ECG

▲Time

Reliability

Secure Data Storage

The FM-180 simultaneously stores data on both its memory card and internal solid state storage.
This convenient feature insures against repeat studies that result from lost data.

Flexibility

Flexible Recording Choices

The FM-180 allows the user to choose between 2 or 3 channels of ECG recording.
In addition, users can select either unipolar or bipolar lead configurations.
The FM-180's innovative design provides user the choice of waterproof or traditional snap electrodes.

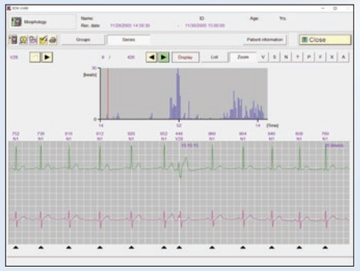

▲Disposal Water Proof Electrode

Holter Software

Fast and easy to review and edit reports

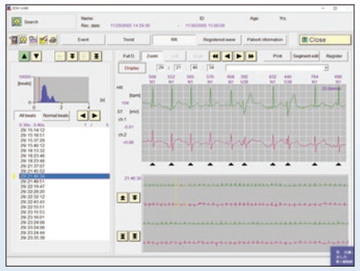
WINDOWS™ based software performs multiple tasks including sophisticated compilation of data for detailed reports

Morphology Page



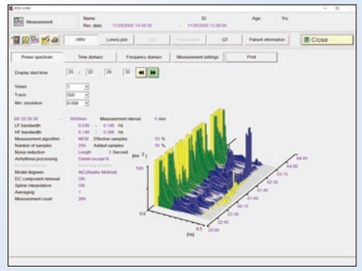
The morphology page provides the reviewing physician a fast and easy tool to globally edit reports. Morphology review provides the user examples of the predominate morphologies that occurred during the test.
The reviewer can quickly spot both uniform and multiform VPC' s. Artifact can be quickly identified and relabeled correcting heart rates and beat counts throughout the final report.
AT any time during the editing process, the FM-180 also allows the user complete beat by beat verification.

Powerful Search Tools



The FM-180 provides a simple to use Search Page that helps the user find and document arrhythmic events as well as the longest and shortest R-R intervals.
Fast and simple verification can be conducted on the Search Page, and because the Search Page guides the user to the location of significant events, relabeling of beats and selection of strips for the final report is faster, more accurate and less demanding on the user.

Evaluation of R-R Intervals and Heart Rate Variability



Easy to use interactive histograms guide the user to changes in R-R intervals. Both R-R intervals and standard deviations are automatically calculated over a 24 hour period.
This easy to use tool provides Physicians insight into possible changes of the autonomic nervous system that could help determine a course of treatment.