

AMEDTEC ECG^{pro}

The 12-Lead PC ECG

Highly flexible

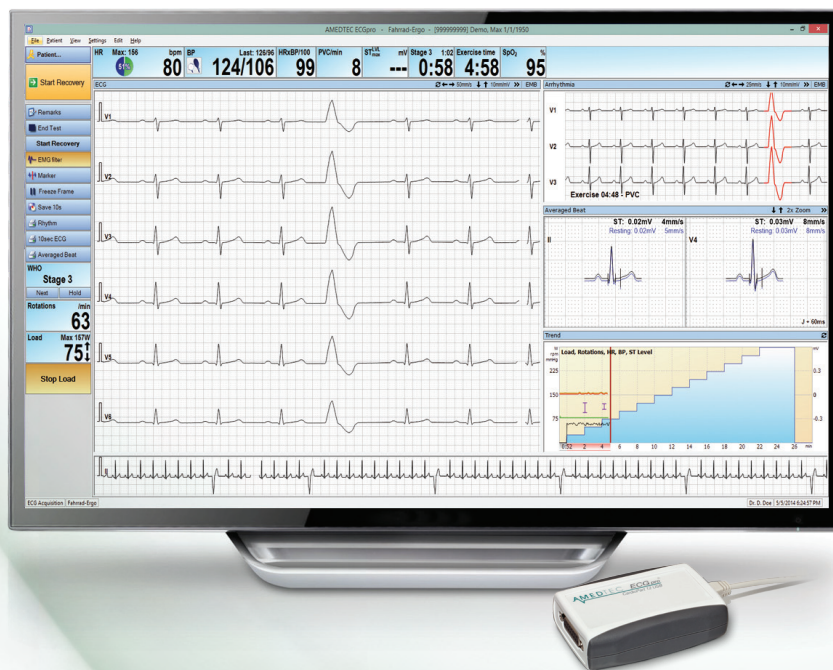
Easy handling

Excellent, proven technology

Reliable pacemaker detection

Fits perfectly into a paperless workflow

Available as CardioPart 12 USB and CardioPart 12 USB-P,
the latter with a particularly attractive cost-performance ratio



CardioPart 12 USB / USB-P

Precise in function diagnosis - Easy to use



شرکت توسعه صنعتی الکترونیک

نماینده رسمی در ایران
تلفن تماس: ۰۲۱۴۳۶۴۷

Made in Germany - Made for Europe

Technical Data

Dynamic range	+/- 316 mV DC
Sample rate	8000 Hz [125 μ s] for each of the 10 electrode channels
Resolution	1 μ V/LSB [0,01 mm]
Frequency range	0 - 150 Hz
Pacemaker detection	Digital monitoring of all electrodes
Input impedance	> 50 MOhm
Electrodes check	Frequency analysis and impedance measurement
Input protection	Against defibrillator shock ¹⁾ and HF from surgery devices
Patient cable connection	15-Pin D-Sub for 10-lead patient cable
Applied part	Type CF
PC interface	USB 2.0 (5 metres USB cable)
Power supply	By the USB port of the PC
R wave trigger output	Via LPT port of the PC
Size	95 mm x 64 mm x 28 mm
Weight	90 g
Standards	DIN EN 60601-1; DIN EN 60601-2; DIN EN 60601-2-25; DIN EN 60601-2-51; ANSI/AAMI EC 11

Note:

1) Patient cable or suction electrode system must feature a protective resistor of 10 kOhm in each of the cables.
The use of such patient cable provides for protection against defibrillator discharge.

Supported KIS, PACS, and BDT/GDT communication

CardioPart 12 USB

CardioPart 12 USB-P
(part. intended for GPs)

BDT/GDT

✓

✓

HL7/DICOM

✓(Option)

—

Available ECG options

CardioPart 12 USB

CardioPart 12 USB-P
(part. intended for GPs)

<i>m</i>	Resting ECG with automatic measurement	✓	—
<i>mr</i>	Resting ECG with automatic measurement and rhythm ECG option	✓	✓
<i>i</i>	Resting ECG with automatic measurement, interpretation and rhythm ECG option	✓	✓
<i>s</i>	Resting and stress test ECG with automatic measurement, interpretation, ST measurement, rhythm ECG option, and control of ergometers and blood pressure meters	✓	✓
<i>as</i>	Resting and stress test ECG with automatic measurement, interpretation, ST measurement, rhythm ECG option, control of ergometers and blood pressure meters, and online arrhythmia detection	✓	—



Certificates:
DIN EN ISO 9001
DIN EN ISO 13485



AMEDTEC Medizintechnik Aue GmbH

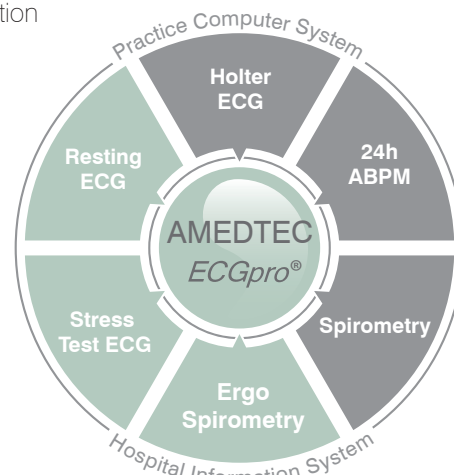
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AMEDTEC ECG^{pro}

The Wireless 12-Lead PC ECG

Wireless data transmission via Bluetooth

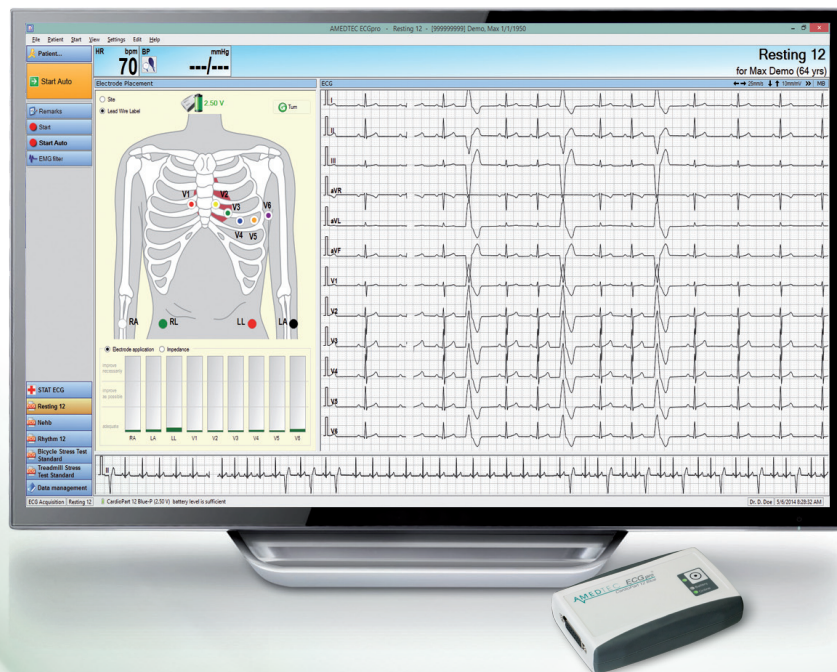
Easy handling

Excellent, proven technology

Reliable pacemaker detection

Fits perfectly into a paperless workflow

Available as CardioPart 12 Blue and CardioPart 12 Blue-P,
the latter with a particularly attractive cost-performance ratio



CardioPart 12 Blue / Blue-P

Precise in function diagnosis - Easy to use

IDEA

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Technical Data

Dynamic range	+/- 316 mV DC
Sample rate	8000 Hz [125 μ s] for each of the 10 electrode channels
Resolution	1 μ V/LSB [0.01 mm]
Frequency range	0 - 150 Hz
Pacemaker detection	Digital monitoring of all electrodes
Input impedance	> 50 MOhm
Electrodes check	Frequency analysis and impedance measurement
Input protection	Against defibrillator shock ¹⁾ and HF from surgery devices
Patient cable connection	15-Pin D-Sub for 10-lead patient cable
Applied part	Type CF
PC interface	Bluetooth 2.0 class 1 or class 2
Power supply	2 Mignon AA alkaline or rechargeable batteries
R wave trigger output	Via separate radio transmitter
Size	110 mm x 64 mm x 28 mm
Weight	160 g
Standards	DIN EN 60601-1; DIN EN 60601-2; DIN EN 60601-2-25; DIN EN 60601-2-51; ANSI/AAMI EC 11

Note:

1) Patient cable or suction electrode system must feature a protective resistor of 10 kOhm in each of the cables.
The use of such patient cable provides for protection against defibrillator discharge.

Supported KIS, PACS, and BDT/GDT communication

CardioPart 12 Blue

CardioPart 12 Blue-P (part. intended for GPs)

BDT/GDT

✓

✓

HL7/DICOM

✓(Option)

—

Available ECG options

CardioPart 12 Blue

CardioPart 12 Blue-P (part. intended for GPs)

<i>m</i>	Resting ECG with automatic measurement	✓	—
<i>mr</i>	Resting ECG with automatic measurement and rhythm ECG option	✓	✓
<i>i</i>	Resting ECG with automatic measurement, interpretation and rhythm ECG option	✓	✓
<i>s</i>	Resting and stress test ECG with automatic measurement, interpretation, ST measurement, rhythm ECG option, and control of ergometers and blood pressure meters	✓	✓
<i>as</i>	Resting and stress test ECG with automatic measurement, interpretation, ST measurement, rhythm ECG option, control of ergometers and blood pressure meters, and online arrhythmia detection	✓	—



Certificates:
DIN EN ISO 9001
DIN EN ISO 13485



AMEDTEC Medizintechnik Aue GmbH

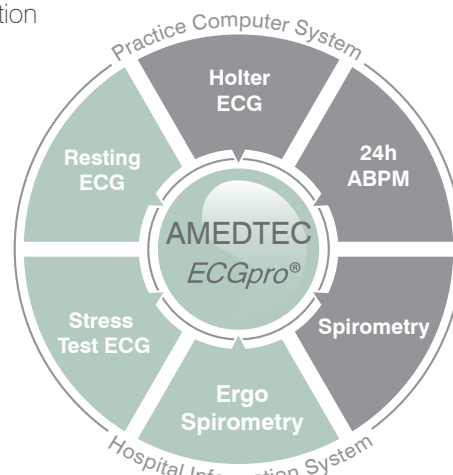
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AMEDTEC *ECG_{pro}*®

Digital Holter Recorder with PM Detection

High Patient Acceptance

3 or 12 Recording Channels

Recording Time up to 7 Days

Real Time ECG Display



Holter Recorder EP820 / EP820-12

Precise in function diagnosis - Easy to use

IDEA

شرکت توسعه صنعتی الکترونیک

نماینده رسمی در ایران

تلفن تماس ۰۲۱۴۳۶۴۷

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Specifications

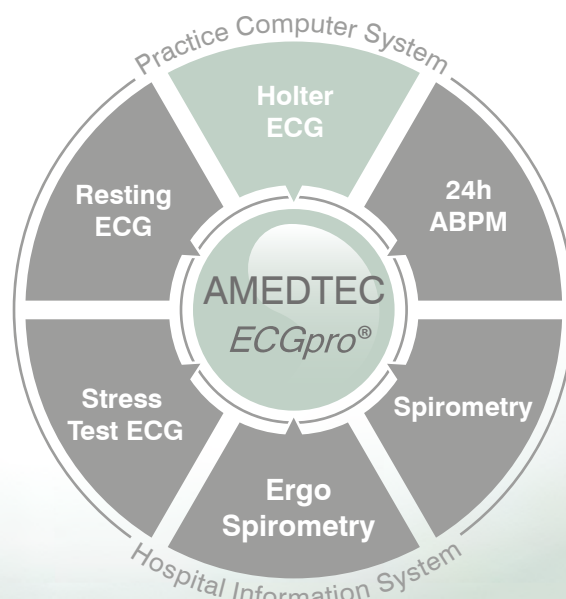
Dimensions	Physical Dimensions	68 mm x 53 mm x 16 mm (L x W x H)
	Weight	42 g
	Operating Position	Any Orientation
Electrical	Gain Settings	0.5 x, 1 x and 2 x
	Connector	26 Pin Low Profile
	Patient Cable	4, 5, 7 or 10 Wire
Functional	Recording Channels	3 or 12
	Sensitivity	2.5 μ V per LSB
	Recording	Full Disclosure
	Data Transfer	USB 2.0 or Card Reader
	Sample Rate	10,000 Per Second (PM Detection)
	Frequency Response	0.05 Hz to 60 Hz, @ -3 dB
	ECG Signal View	LCD at Hook-Up or on Demand
	PM Detection	Permanently
	Battery Type	1 AAA Battery, 1.5 V Alkaline, Lithium, or NiMH
	Life (3 Channels)	Alkaline: $\geq$ 96 h Lithium: $\geq$ 168 h
Battery	Life (12 Channels)	Alkaline: $\geq$ 48 h

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Certificates:
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DIN EN ISO 13485

AMEDTEC ECG^{pro}



Holter-RR

Precise in function diagnosis - Easy to use

IDEA

شرکت توسعه صنعتی الکترونیک

نماینده رسمی در ایران

تلفن تماس ۰۲۱۴۳۶۴۷

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Technical Data

Pressure measurement range	Systolic 60 to 290 mmHg Diastolic 30 to 180 mmHg
Accuracy	+/-3 mmHg in the range indicated
Static pressure range	0 to 300 mmHg
Pulse range	30 to 240 beats per minute
Method	Oscillometric
Measurement intervals	0, 1, 2, 4, 5, 6, 12 or 30 measurements per hour
Monitoring protocols	2 programmable and 7 fixed protocols
Storage capacity	300 measurements
Operating temperatures	+10°C bis +40°C
Operating humidity	15% to 90%
Dimensions	128 mm x 75 mm x 30 mm
Weight	Approx. 240 g incl. rechargeable batteries
Power supply	2 Mignon AA alkaline or rechargeable batteries
Interfaces	Cable: serial interface RS232, converter for USB Infrared Bluetooth class 1
Standards	DIN EN 60601-1, DIN EN 60601-2, EN 1060-1, EN 1060-3, R&TTE directive 1999/5/EG

The Holter-RR blood pressure monitor fulfils the requirements of

- Association for the Advancement of Medical Instrumentation (AAMI)
- British Hypertension Society (BHS) and
- European Society of Hypertension (ESH).

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