



# **YASHAM 310**

**3 channel Electrocardiograph**

## Technical Data of YASHAM 310:

### Technical Data:

Patient input circuit: Fully floating and isolated, defibrillation protected Class I, Type CF (Based on IEC 60601-1)

### Monitor Display:

-12 channel display or Rhythm

-Heart Rate

-Sensitivity: 2.5,5,10,20 mm/mV or Automatic

-Filter status (Notch , Low-pass , Drift, EMG)

**Leads:** 12 simultaneous Standard leads

**Recording Speed:** 6.25/12.5/25/50 mm/s

**Sensitivities:** 2.5/5/10/20 mm/mV

### Recording:

1 channel, 2 channels, 3 channels, 1 channel + 1 Long lead, 2 channel + 1 Long Lead, Rhythm

### Recording Data:

Patient data: name, age, height, weight, User ID, Gender, blood type ,heart rate

List of all ECG recording conditions (date, time, filter, speed)

### Recording Mode and Format:

Auto 1, Auto 1+1, Auto 2, Auto 2+1, Auto 3, Manual 1, Manual 1+1, Manual 2, Manual 2+1, Manual 3, Rhythm

### Low-Pass Filter:

25 or 35 or 75 or 150 Hz

### ECG Amplifier:

Simultaneous recording of 12 leads

**Sampling frequency:** 1000 Hz

### System:

**Dimensions:** 260\*210\*65mm, approx.1.8 kg

**Built-In Monitor:** 110\*65 mm effective display area, 800\*480 dots resolution

**On-Screen Status Indicators:** power source, Battery status, date, time

**Power Supply Requirements:** 90-264V, 50/60Hz

Stand-alone operation with Built-in rechargeable Li-ion battery Polymer, integrated power supply unit

**Battery Capacity:** 8 hours of normal use

**Chart Paper:** Thermo-sensitive, 63 mm wide

**Printing Process:** High-resolution thermal head printer, Vertical resolution 8 dots/mm

### Environmental conditions:

**Temperature, operating:** 10°C to 40°C

**Temperature, storage:** -10°C to 50°C

**Relative humidity:** 25% to 95% (no condensation)

**Standards:**

**Safety:** IEC (EN) 60601-1, IEC (EN) 60601-1-2(EMC)

**Performance:** IEC (EN) 60601-2-25

**Software:** EN62304

**Protection class:** I according to IEC 60601-1(with internal power supply)

**Applied part:** CF according to IEC 60601-1

**Optional Interface:**

USB HOST (FS/HS Speed -5Vdc-MAX. 500 mA)

USB DEVICE (FS/HS Speed -5Vdc-MAX. 500 mA)

SD Card

**USB Host:** for upgrading firmware by qualified operator.

**USB Device:** for transferring data to PC or any host device.

**SD Card:** for saving recorded ECG signal data on SD card.



**Address: N607, Negin Tower, Africa Blv. Tehran 1969734664 Iran**

**Tel: +98 21 88880507-88772012-88772044 Fax: +98 21 88880679**

**[www.DAHAIN-CO.com](http://www.DAHAIN-CO.com)**

**[info@dahian-co.com](mailto:info@dahian-co.com)**