

# CLARUS 40

## Digital Holter Recorder



### Description

The Clarus 40 is an accurate, reliable, and user-friendly digital holter monitor. It is capable of recording 3 channels of patient ECG data using 3, 4, or 5 surface electrodes adhered to the body while operating for up to 14 days of continuous recording. Recording durations up to 31 days are possible by providing the patient with a recharging cable. Its compact and stylish design is discreet and comfortable to wear, and its color touchscreen allows the patient to easily record their symptoms when they mark an event.

### Applications

- Holter Studies
- Pharmaceutical Studies

### Features

- **Fast and simple data retrieval** - Connect to a PC with the provided USB cable and retrieve data at 480 Mbps.
- **Rapid device configuration** - On-screen adjustment of commonly used settings allows for device configuration in less than a minute. Other settings can be configured from a PC and stored for multiple studies.
- **Supports multiple lead configurations** - Automatic detection of any supported ECG cable allows flexibility when selecting the proper lead configuration for each patient, even allowing swapping cables in mid-study.
- **Multi-channel signal quality shown on color display during patient hookup** - Easy to read display ensures the electrodes are well attached before the recording starts.
- **Precise battery monitoring** - Accurate battery life calculation lets you know for sure that the battery will last for the whole study.
- **Digital patient diary** - No need for the patient to keep a paper diary when marking events; they're stored right on the device.



### Functional Specifications

ECG Channels	Up to 4 bipolar channels - or - 2 bipolar channels and up to 2 unipolar channels
Sample Rate	250, 500, 1000, 2000, or 4000 Hz
User Interface	Color touchscreen

### Memory

Media	8GB internal
Total Recording Time	Up to 31 days
Data Retention	Over 10 Years

### Physical Specifications

Dimensions	3.60" x 2.20" x 0.750" (91.4 mm x 55.9 mm x 19.1 mm)
Weight with Battery	4.18 oz (118g)

### Electrical Specifications

Input impedance	>10 MOhm
CMRR	>60 dB
Signal range	+/- 430mV
Resolution	24 bits
Frequency Response	0 to 150Hz
Pacemaker Detection	ANSI/AAMI/IEC 60601-2-47:2012

### Environmental Specifications

Operating Temperature	32 F (0 C) to 122 F (50 C)
Operating Humidity	10% to 95%, non-condensing
Storage Temperature	-4 F (-20 C) to 158 F (70 C)
Storage Humidity	5% to 95%, non-condensing

### Battery Specifications

Type	Lithium-Polymer Rechargeable
Life	Up to 14 days from full charge

