



# Polyrite C



## 8 CHANNEL DIGITAL PHYSIOGRAPH

- Compact, light weight and portable with carry handle
- High resolution in-bulit 7" (15.5 x 9.5cm) color TFT display
- Color monitor TFT display 21" with desktop computer
- Facility to store recording data and review the same on TFT
- Inbuilt stimulator
- Freeze option
- Coupler: Biopotential, ECG, Strain Gage, Pulse Respiration, Temperature and Isotonic
- Transducers: Pulse, Respiration (Belt Type), Temperature, GSR, Phonocardiogram, EMG, Pressure, Volume, Force, Isotonic, SpO2, NIBP, STIM, ECG and EEG
- Interface to the computer through USB
- Software to review and printing the recorder data from PC
- Digital encoder for setting
- Online/Offline Data Transfer Mode to PC Data Transfer Mode to PC
- In-bulit memory with external memory storage facility

# Polyrite C - Technical Specification

Sampling Frequency	>256Hz.
Sensitivity	50, 100, 200, 500 $\mu\text{v}/\text{cm}$ and 1, 2, 5, 10, 20, 50, 100 $\text{mv}/\text{cm}$
Sweep Speed	0.05, 0.1, 0.2, 0.5, 1, 2, 5, 10, 15, 20, 25, 30, 50, 60 & 100( $\text{mm}/\text{sec}$ )
CMRR	>80 db
Input Impedance	>1(Mega Ohm)
Filter	Digital with enable/disable option
Low Pass Filter	0.1, 0.3, 0.5, 2, 5, 10, 15, 35, 70, 99Hz
High Pass Filter	0.1,0.3,0.5,1,3,5,7Hz
Notch Filter	50 Hz, Off
Muscle Filter	On/Off
A/D Conversion	16 bit

## STIMULATOR

Voltage	0 - 25V
Mode	Auto / Manual
Type	Single / Double / Multiple
Width	0 - 2000 ms

## DISPLAY

Display	Integrated 7" (15.5 x 9.5cm) colored TFT
Option	Time Marker, Event Marker and Real Time Clock

## COMPUTER CONFIGURATION

OS: Windows 10 Professional 32bit/64bit, Processor: i3 or higher, 4GB RAM or higher, 1TB harddisk or higher, CD/DVD Optical Drive, Color Monitor TFT Screen 21" or higher

## MEMORY

In-built test storage	100
Duration	15 min/Test
External storage	USB Pen drive

## General

PC connectivity	Through USB
Dimension	280 (L) x 370 (W) x 300 (H) mm
Weight	6.7 kg (approx)

## POWER SUPPLY

Input	230V $\pm$ 10%, 50Hz, Single phase AC supply
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## Environmental Conditions

### Operation

Temperature	5°C to 40°C
Humidity	$\leq$ 80% non condensing
Atmospheric pressure	700 to 1060 hPa

### Storage

Temperature	1°C to 50°C
Humidity	$\leq$ 93% non condensing
Atmospheric pressure	500 to 1060 hPa



Respiration (belt type)



Volume



GSR



Finger Pulse Sensor



Phonocardiogram



Isotonic




Temperature



Force

Since R&D is a continuous process, to make changes in product features, specifications, aesthetics and/or to discontinue the same at any time without notice or obligation

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