

ES 601 Plus Specifications...

8001-120 ES601PLUS, 120V, NA

8001-121 ES601PLUS C/W PET, 120V, NA

8001-220 ES601PLUS, 220V, EU

8001-221 ES601PLUS C/W PET, 220V

8001-240 ES601PLUS, 240V, UK

8001-241 ES601PLUS C/W PET, 240V, UK



Modes of Operation:

Automated:

- by selected Equipment Identification Number
- by selected Test Procedure
- by selected Safety Autosequence
- by other Autosequences (control of other test devices)
- Test sequences can be placed on HOLD at any time and the individual test repeated

Manual Mode:

- Any individual test or series of tests can be selected and performed in a single step or semi automated mode
- Voltage Measurement
- Range: 0.0 to 300.0 VAC
- Accuracy: DC to 100Hz +/-1% or reading +/-1LSD

Insulation Resistance

- Range: 0.5 to 400 M.
- Accuracy: +/-5% of reading +/-1LSD

Protective Earth Resistance

- Range:
0.001 to 0.200 . at 25AAC +/-10%
0 to 3 . at 1AAC +/-10%
- Accuracy: +/-5% of reading +/-1LSD

Current Consumption

- Range: 0 - 15 AAC
- Accuracy: +/-5% of reading +/-1LSD

Leakage Current

- Standards: IEC60601-1, AAMI-ES1:1996

- Range: 0 to 6500 μ A

- Accuracy: per standard

Mains on Applied Part

- Applied Voltage: 110% of mains voltage

- Range: 0 to 6500 μ A

- Accuracy: +/-2% of reading +/-1LSD

Waveform Simulation

- Normal Sinus Rhythm: 30 to 250 BPM

- Sine Wave: 10 to 100 Hz, 10 Hz increments

- Square Wave: 0.125, 0.5, 1, 2 Hz 50% duty cycle

- Triangle Wave: 0.125, 0.5, 1, 2 Hz

Arrhythmia:

- Atrial Fibrillation

- Atrial Flutter

- Atrial Tachycardia

- PVC

- R-on-T

- Run

- Ventricular Fibrillation

- Ventricular Tachycardia

Performance:

- +/-2% of reading for rate and amplitude

- Fixed at 1mV peak on Lead II ECG connection

User Interface

- Display:

Graphic LCD 4.53" x 3.40" (11.5 cm x 86 cm)

Monochrome backlit

320 x 240 pixel graphics

53 character x 30 lines text

- Keypad: Touch screen, arbitrary number of keys

- Audio Indicator: Single-frequency piezo sounder

Non-Volatile Memory

- Memory Size: 528 kilobytes

- Memory Technology: Serial I/O Data Flash

Data Capacity:

- 500 Equipment records (from PC)

- 200 Data records

- 24 Safety Autosequence definitions

- 24 Test Procedure definitions

- 24 Other Autosequences (Physical Inspection + 23 others)

Printer Port Data Output

- Hardware Interface: Centronix standard

- Content: ASCII character output
- Output Rate: 500 characters per second, maximum

RS-232 Data Transfer/Capture

- Hardware Interface: RS-232 TXD, no handshaking
- Content: ASCII character output
- Data Transfer Rate: 9600 baud

USB Data Transfer/Capture

- Hardware Interface: USB device
- Protocol: Proprietary
- Content: Mixed binary data and ASCII characters
- Data Transfer Rate: 264 bytes every 41.67 msec

Ethernet Data Transfer/Capture

- Hardware Interface: 10 Base-T
- Protocol: Proprietary
- Content: Mixed binary data and ASCII characters
- Data Transfer Rate: 10 Mbits/sec, maximum

Environment

- 15°C to 40°C / 10% to 90% RH
- Indoor use only

Weight

- 12 lbs. (5.4 kg)

Dimensions

- 9" x 9" x 8" (23 cm x 23 cm x 20 cm)

Standard Accessories

- Operator's Manual
- Test Lead Set

Optional Accessories

- Cable - RS-232 to PC: DB9 - DB9
- Cable - RS 232 to PC: DB9 - DB25
- RS-232 RJ-12 Cable
- RJ-12 to DB9 Adaptor
- RJ-12 to DB-25 Adaptor
- Barcode Wand

All specifications are subject to change without notice