

**Table 1-2. Components and Controls of the Analyzer (cont.)**

Label	Name	Function
⑪	Test Points	0.15 $\Omega$ and 100 $\mu$ A; provided to check the Analyzer by clipping onto with the chassis cable and selecting appropriately, RESISTANCE or ENCLOSURE LEAKAGE, via the function switch.
⑫	Chassis Connector	Provides means for inputting the chassis cable with its clip for connection to the DUT chassis or enclosure. With the FUNCTION switch in the resistance position, the earth resistance is measured, and on the enclosure position, the enclosure leakage current is measured.
⑬	External Connector	Provided for making external measurement of resistance, voltage gradient, leakage current or isolation current of probes and transducers, when used in conjunction with the chassis cable for the other reference point.
⑭	Test Load	Selector switch between IEC601.1 and AAMI
	Chassis Cable (not shown)	A black coil cord with a clamp with black insulation for measurement of enclosure leakage and earth resistance. One is supplied with each Analyzer.

## **Specifications**

The following are specifications for the Analyzer. Please contact your Fluke Biomedical service representative for more information regarding the device specifications.

### **Controls**

- Function Switch.....9 position rotary
- Lead Switch.....6 position rotary
- Neutral Switch .....2 position rocker (Open/Closed)
- Polarity Switch.....3 position rocker  
(Normal/Off/Reversed)
- Leakage Switch .....2 position rocker (Chassis/Earth)

MAP / Ground Switch .....	2 position rocker (Open Ground / Apply Mains on Applied Part test voltage)
<b>DUT Power</b> .....	15 A @ 120 V, 20 A @ 120 V, 10 A @ 230 V
<b>Physical Size</b> .....	4.0 x 7.8 x 1.6 in (102 x 196 x 41 mm)

#### **Mains Voltage**

Range .....	Line Voltage
Accuracy .....	±2 % of reading, ±1 digit

#### **Current Consumption**

Range .....	0 – 14.99 A (Dale601-1515) 0 – 19.99 A (Dale601-1520/2020) 0 – 9.99 A (Dale601E)
Accuracy .....	±5 % of reading, ±1 digit

#### **Earth Resistance**

Range .....	0 – 19.99 Ω
Accuracy .....	±1 % of reading, ±1 digit (0 – 1.99 Ω) ±2 % of reading, ±1 digit (2 – 19.99 Ω)

<b>Current Source</b> .....	10 mA DC (four-wire bridge)
-----------------------------	-----------------------------

#### **Leakage Current**

Range .....	0 – 1999 µA
Accuracy	
DC and 25 HZ to 1 KHz .....	±1 % of reading, ±3 LSD
1.0 KHz to 100 KHz .....	±2.5 % of reading, ±3 LSD
100 KHz to 1 MHz .....	±5 % of reading, ±3 LSD
Type Measurement .....	True rms
Test Load .....	AAMI or IEC601 – 1 (selectable)

#### **Isolation Test (Mains on Applied Parts)**

Voltage .....	Mains voltage
Current .....	Limited @ 1 mA

#### **Current Capacity**

DALE601-1515 .....	15 A
DALE601E .....	10 A
DALE601-1520/2020 .....	20 A, 20 % duty cycle (2 minutes on, 8 minutes off)

#### **Environmental**

Operating Temperature .....	15 – 40 °C
Storage Temperature .....	- 20 – 65 °C
Relative Humidity .....	90 % max