INTELLI-ARC® − TROUBLESHOOT FASTER, SOLVE SMARTER

Advanced Technology for Residential Arc and Ground Fault Diagnostics

usa.siemens.com/intelli-arc

The Intelli-Arc® Diagnostic Tool is an advanced solution for improving electrical troubleshooting accuracy in residential applications.

Designed for use by qualified personnel, this tool focuses on branch circuits within a home's electrical panel, allowing users to identify and diagnose arc or ground faults that could cause circuit breakers to trip.

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Intelli-Arc®

Part Number IDT6000

Included Accessories:

- Power Cord
- Banana Plug Cords (4)
- Carrying Case

Advanced solution at your fingertips

- Find the solution to your arc faults, ground faults, overcurrent faults.
- Ensure the safety of appliances and loads.

Easy-to-use mobile app

- See circuit levels on an easy-to-read dashboard on your mobile phone.
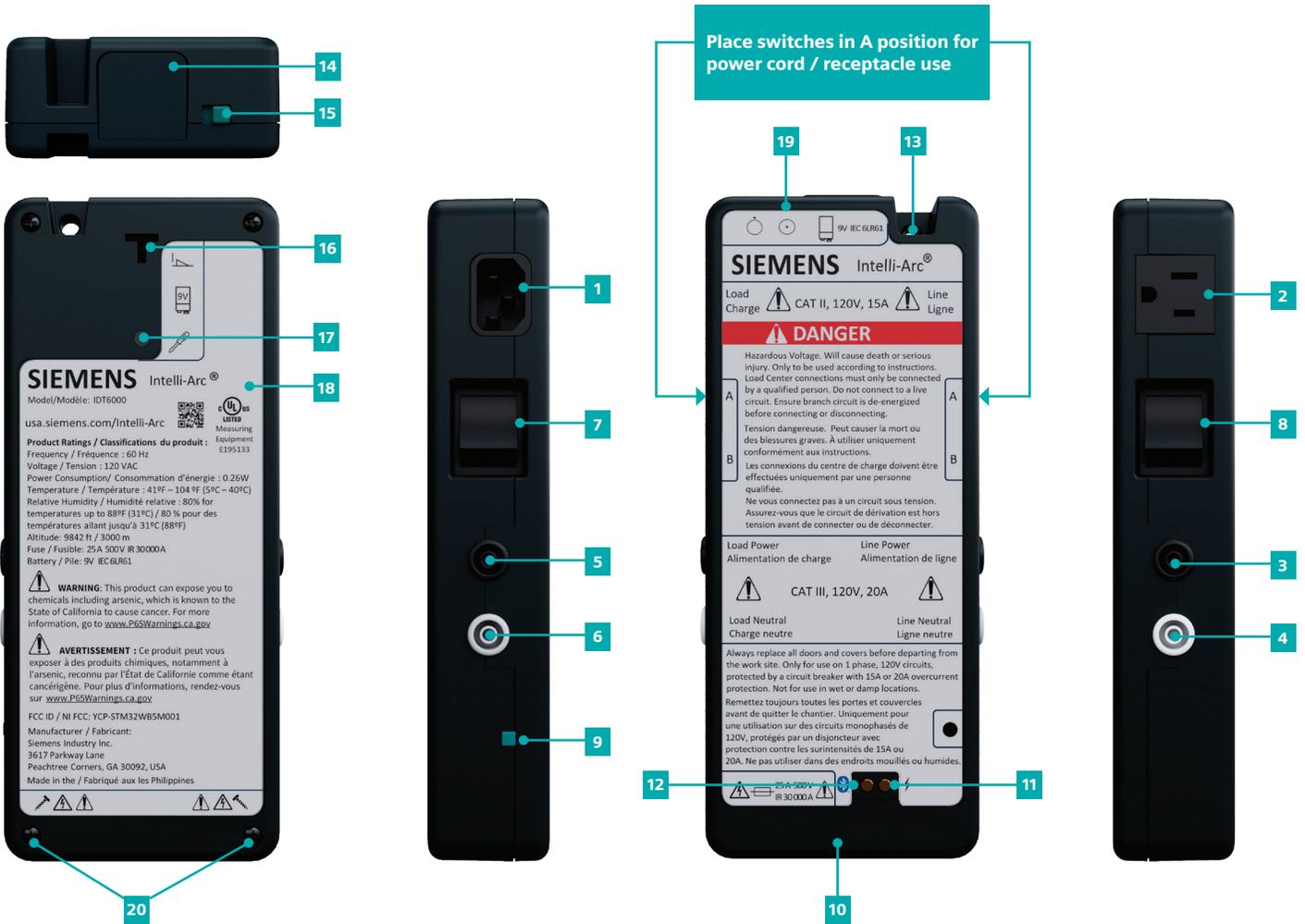- Check the current and voltage level of your home electrical installation.

Advanced level of available information

- For complex situations, see detailed waveforms of voltage, current, and high frequency noise, with the ability to share waveforms with technical support for troubleshooting.

Durability

- Robust, safe product with power cord and receptacle option for use at any home receptacle.
- Cables for electrician to use at the load center

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Intelli-Arc® Components

Place switches in A position for power cord / receptacle use

Device Item	Description
1	Power Inlet (CAT II)
2	Load Receptacle (CAT II)
3	Banana Jack, Line Hot (CAT III)
4	Banana Jack, Line Neutral (CAT III)
5	Banana Jack, Load Hot (CAT III)
6	Banana Jack, Load Neutral (CAT III)
7	Device Power Switch (Neutral)
8	Device Power Switch (Hot)
9	Logging Button
10	Device Fuse Compartment

Device Item	Description
11	Power LED
12	Bluetooth LED
13	Lanyard Slot
14	Battery Compartment
15	Battery Usage Switch
16	Battery Compartment Latch
17	Battery Compartment Screw
18	Back Label
19	Front Label
20	Fuse Compartment Screws

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Intelli-Arc® Mobile App

The mobile app makes it easier for qualified personnel to determine the cause of unwanted tripping. The app offers:

- User-friendly interface for easy navigation
- Dynamic live monitoring of current and voltage
- Real-time analytics directly on your smartphone
- Data logging for specific job

Features

Easy-to-use Dashboard
- Live diagnostics in real-time
- Levels and indicators to direct user to troubled spots

Live Diagnostics
- See circuit levels on your mobile phone
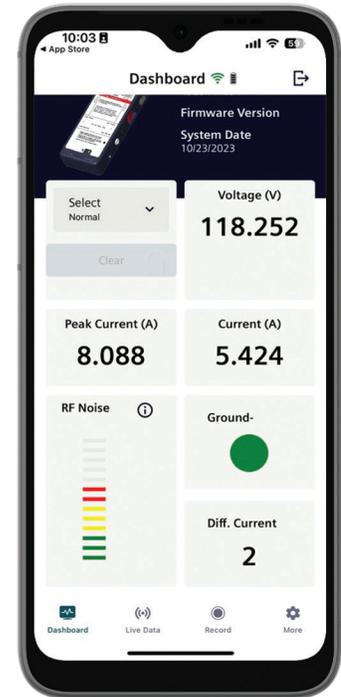- Check the current and voltage level of the circuit

Precise data for troubleshooting
- For complex situations, see detailed waveforms of voltage, current, and high frequency noise

Save and Share Data
- The app offers the ability to save and share the data being received from the Intelli-Arc.

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Technical Specifications

Category	Information
Product Model / Catalog Number	IDT6000
Measurement Category	CAT II at power inlet and receptacle, CAT III at banana jacks
Pollution Degree	Pollution Degree 2
Input Voltage	120VAC
Output Voltage	120VAC (same as input)
Frequency	60 Hz
Power Consumption	26mA
Current Rating	20A at banana jacks, 15A at receptacle
Wireless Communication	BLE 5.2 (Bluetooth Low Energy)
Included accessories	Power Cord – Input side NEMA 5-15P, Output side IEC 60320 C13, CAT II.
	Banana plug cords – Shrouded Banana Plug to Inline Splice Connector, rated for 20A, 120VAC, CAT III.
Output connections	Receptacle, NEMA 5-15R, 120VAC, 15A, CAT II; banana jack, 120VAC, 20A,CAT III
Input connections	Inlet, IEC C14, 120VAC, 15A, CAT II; banana jack, 120VAC, 20A,CAT III
CAT II Site Connection	The Intelli-Arc must only be connected downstream of a Listed circuit breaker with a maximum overcurrent rating of 15A.
	Receptacle NEMA 5-15R, 120VAC, 15A, with bonded protective earth connection
CAT III Site Connection	The Intelli-Arc must only be connected downstream of a Listed circuit breaker with a maximum overcurrent rating of 20A.
	Allowable circuit wiring: solid wire, size 12-14AWG, with wire strip length of 0.43 inches (11 mm)
Power	Through 120V line input at terminals or power inlet, or through battery (not provided)
Battery Type	Size PP3 (17.5 mm x 26.5 mm x 48.5 mm)
	Type IEC 6LR61 / ANSI 1604A, 9V, 0.5Ah Alkaline Battery.
	Battery is not provided. For battery disposal, please follow instructions of battery manufacturer; Battery is not recyclable.
Fuse	Size: 3AB (1/4" x 1-1/4")
	Rating: 500 Vac/Vdc, 25A, 30KA Interrupting Rating at 500Vac, Fast Acting
	Fuse is replaceable by the user, but instructions must be followed. See section "Fuse Replacement."
Buttons and Indicators	2 LEDs for power and BLE connection, push button for record mode, On/Off switch for battery power, 2 power selector switches for CAT II / CAT III mode
Wireless Certification	Bluetooth SIG
Safety Certification	UL 61010 for use in the USA and Canada
FCC information	FCC ID YCP-STM32WB5M001
Mobile phone requirements	Mobile phones running one of the following operating systems, or a newer version will support the mobile app: iOS 16, Android 11
Range of product wireless connection without obstructions	30 m / 100 ft
Operating ambient temperature:	5°C – 40°C (41°F – 104 °F)
Maximum relative humidity:	80% for temperatures up to 31°C (88°F) decreasing linearly to 50% at 40°C (104°F)
Environment	Indoor use at altitude up to 9842 ft (3000 m)
Safety Warnings	WARNING: This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov

For further support, please contact Siemens Support by phone at 1-800-333-7421

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⚠ DANGER

Hazardous Voltage.
Can cause death or serious injury.

Product must only be used by qualified personnel, and must only be used according to instructions.

Do not connect to a live circuit. Ensure branch circuit is de-energized before connecting or disconnecting. The Intelli-Arc must only be connected downstream of a Listed circuit breaker with a maximum overcurrent rating of 20A..

⚠ WARNING

For temporary use only

Electrical Safety Precautions must be followed when connecting the Intelli-Arc, including using the product in a safe area free of hazards e.g. water.
The Intelli-Arc is only for temporary use. Device is not designed for permanent installation and must not be left unattended. The device must be handled with strict electrical safety precautions and operated only by qualified personnel in a safe environment.

⚠ WARNING

Exposure to Chemicals

This product can expose you to chemicals including arsenic, which is known to the State of California to cause cancer.

For more information, go to www.P65Warnings.ca.gov

NOTICE

FCC ID: YCP-STM32WB5M001

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may notcause harmful interference, and (2) this device must accept any interference received, including interference that may causeundesired operation.

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Notes:

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