

Even if you mistakenly
measure voltage using the resistance range



Erroneous circuit-breaker activation



Arcing and sparks

Prevent Hazards

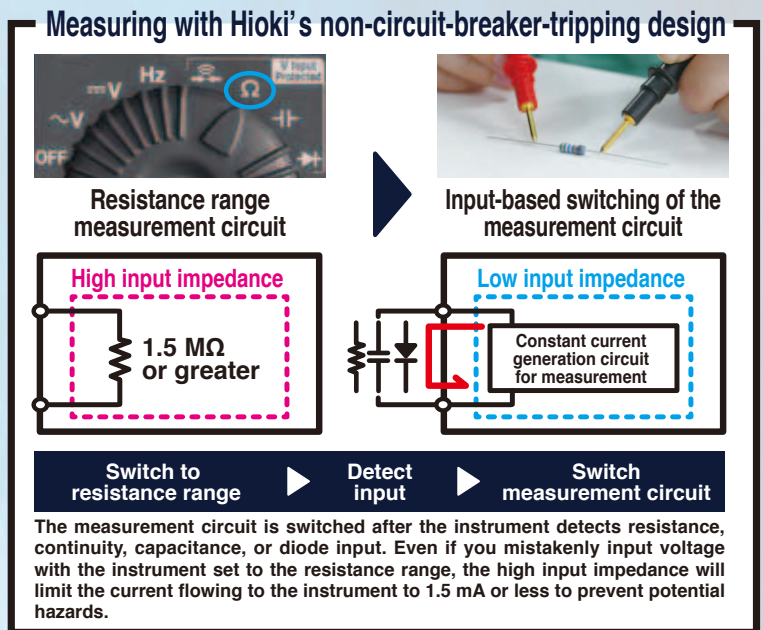
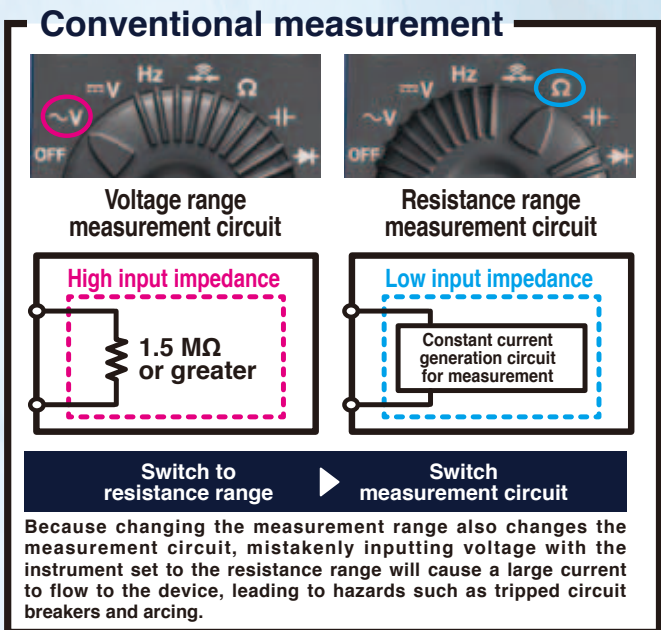
It's extremely dangerous to measure a commercial power supply with an instrument set to the resistance range (used to measure continuity, capacitance, and diodes). Doing so can cause electrical equipment to stop operating due to tripped circuit breakers or result in arcing. Hioki's new Digital Multimeter DT4223/DT4224 prevents potential hazards that can be caused by erroneous instrument operation with a new, one-of-a-kind design.



DT4223

DT4224

World's first! Avoid hazards with Hioki's proprietary non-circuit-breaker-tripping design



Detection results are indicated with a LoZ icon so that you can check which measurement circuit is being used.

When the instrument detects resistance, continuity, capacitance, or diode input, the LoZ icon is shown on the display, allowing you to identify at a glance which measurement circuit has been selected.



Warning function notifies you of incorrect input.

The instrument's display flashes red to warn you when voltage has been mistakenly input while the instrument is set to the resistance range.

New features for greater ease of use



**-10°C to 65°C
operating temperature range**

The instrument can now be used in a greater range of environments, including at subzero temperatures and on scorching hot summer days.



**Auto hold for easy checking of
the display**

The display value is automatically held once measured values stabilize. By letting you check measured values without the need to press a button, this feature is useful in settings where your hands are otherwise occupied.



Visual warning function

A red backlight warns you of excessive voltage input, facilitating visual confirmation in noisy settings.

Specifications

(Typical ranges are indicated; may not reflect maximum or minimum measurable signal)

Measurement items	DT4223	DT4224	Basic Characteristics	DT4223 / DT4224	
DC voltage	600.0 mV to 600.0 V	600.0 mV to 600.0 V	Display count	6000	
AC voltage	6.000 V to 600.0 V	6.000 V to 600.0 V	DCV basic accuracy	0.5 %rdg. ±5 dgt.	
Resistance	600.0 Ω to 60.00 MΩ	600.0 Ω to 60.00 MΩ	True RMS	Yes	
Capacitance	n/a	1.000 μF to 10.00 mF	Safety standard categories	CAT III 600V / CAT IV 300V	
Frequency	99.99 Hz to 9.999 kHz	99.99 Hz to 9.999 kHz	Additional Functions	DT4223	DT4224
Continuity check	Yes	Yes	Back light	Yes	Yes
Diode check	n/a	Yes	Drop proof	Yes	Yes
Voltage detection	Yes	n/a			
AUTO AC/DCV	Yes	n/a			



**Pocket models
DT4221 / DT4222**

Featuring a compact body for ergonomic hold and a reliable, safe design

**Standard models
DT4252 / DT4253 / DT4254 / DT4255 / DT4256**

Introducing a line of field-optimized instruments that can be selected based on the application at hand

**High-end models
DT4281 / DT4282**

Featuring high accuracy, extensive additional functionality, and a broad range of measurement parameters

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All information correct as of June 23, 2016. All specifications are subject to change without notice.

Chirasi_DT4223_24E1-66E Printed in Japan