

### (12) United States Design Patent (10) Patent No.: US D678,092 S Tan et al. (45) Date of Patent: \*\* Mar. 19, 2013

### (54) **MULTIMETER**

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14 Years

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(57) CLAIM The ornamental design for a multimeter, as shown and described.

#### DESCRIPTION

FIG. 1 is a perspective view of a multimeter showing my new design;

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- (58) **Field of Classification Search** ...... D10/78; 324/66, 67, 158 P, 539–542, 72.5, 556, 133, 324/149, 503, 543, 555, 72, 754, 115, 141, 324/114, 145, 156, 508; 379/21, 60, 66, 379/96, 106.01–106.11; 340/635, 687, 654; 73/866.5

See application file for complete search history.

### (56) **References Cited**

#### U.S. PATENT DOCUMENTS

D474,704 S *	5/2003	Ikeda et al D10/79
D512,333 S *	12/2005	Blacken et al D10/78
D514,005 S *	1/2006	Gregorec et al D10/79
D545,704 S *	7/2007	Kuramoto D10/79
D567,687 S *	4/2008	Elrod D10/79
D585,316 S *	1/2009	Chang D10/79
7,750,621 B1*	7/2010	Liu 324/126
D625,633 S *	10/2010	Laurino et al D10/78
7,944,197 B2*	5/2011	Shah et al 324/115
D640,152 S *	6/2011	Laurino et al D10/79
D642,945 S *	8/2011	Marzynski et al D10/79
8,330,449 B2*	12/2012	Greenberg 324/127

FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof.

FIG. 8 is another perspective view showing the multimeter. FIG. 9 is a perspective view of a multimeter according to a second preferred embodiment.

FIG. **10** is a perspective view of a multimeter according to a third preferred embodiment.

FIG. **11** is a perspective view of a multimeter according to a fourth preferred embodiment.

FIG. **12** is a perspective view of a multimeter according to a fifth preferred embodiment.

FIG. 13 is a perspective view of a multimeter according to a sixth preferred embodiment.

FIG. **14** is a perspective view of a multimeter according to a seventh preferred embodiment.

FIG. 15 is a perspective view of the multimeter having a hook

\* cited by examiner

installed thereon; and,

FIG. **16** is a perspective view of the multimeter having another hook installed thereon.

The broken line environmental showing is for illustrative purpose only and forms no part of the claimed design.

1 Claim, 15 Drawing Sheets



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# FIG.6



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