



# VOLTCRAFT®

## VOLTCRAFT® - TOP PERFORMANCE IN EVERY WAY

“Since 1982, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft’s success.”

# LZG-1 DMM LINE ASSIGNMENT DEVICE

N° 100878

CE

VERSION 12/21

Up to 16 strands of a cable can be identified without the help of another person. Only the previous ground or reference line is necessary (also the heating or water pipe, for example). The LZG-1 DMM also has the extensive functions of a multimeter. The rubber protection makes the device suitable, even for the roughest conditions on building sites.

## HIGHLIGHTS

Up to 16 strands //

Multimeter with all the standard functions //



# TECHNICAL DATA

Display	LCD; 2000 counts
Measuring cable length	about 80 cm each
Measuring impedance	>7.5 M $\Omega$ (V range)
Automatic switch-off	approx. 15 minutes
Operating voltage	DMM 2 x micro batteries (AAA) Receiver 9V block battery Transmitter 9V block battery
Working conditions	0 to 40°C (<75%rh)
Operating altitude	max. 2,000 m
Storage temperature	-10°C to +50°C (<80%rh)
Weight	DMM ca. 308 g
Transmitter	ca. 230 g
Dimensions (LxWxH)	DMM 162 x 74 x 44 (mm) Transmitter 140 x 69 x 32 (mm)
Over-voltage category	CAT III 600 V, contamination degree 2 (only DMM via safety sockets)

## Line allocation

Conductor resistance	max. 30 k $\Omega$ (for test length)
Polarity test	5 – 16 V/DC
Continuity tester	<100 $\Omega$ (acoustic)
Measuring cable length	about 27 cm each
Overload protection	max. 50 V

## V/DC

Range	Resolution	Accuracy
200 mV	0.1 mV	$\pm(0.8 \% + 4)$
2 V	0.001 V	$\pm(1.3 \% + 4)$
20 V	0.01 V	
200 V	0.1 V	
600 V	1 V	
Overload protection: 600 V; impedance >7.5 M $\Omega$		

## Alternating voltage V/AC

Range	Resolution	Accuracy
2 V	0.001 V	$\pm(1.3 \% + 6)$
20 V	0.01 V	
200 V	0.1 V	$\pm(1.8 \% + 10)$
600 V	1 V	
Frequency range 50 – 60 Hz; average value with sinus voltage; overload protection 600 V; impedance >7.5 M $\Omega$		

## Resistance $\Omega$

Range	Resolution	Accuracy
200 $\Omega$	0.1 $\Omega$	$\pm(1.0 \% + 6)$
2 k $\Omega$	0.001 k $\Omega$	$\pm(1.5 \% + 4)$
20 k $\Omega$	0.01 k $\Omega$	
200 k $\Omega$	0.1 k $\Omega$	
2 M $\Omega$	0.001 M $\Omega$	$\pm(2.0 \% + 5)$
20 M $\Omega$	0,01 M $\Omega$	$\pm(5.0 \% + 8)$
Overload protection 600 V		

**Diode test**

Test voltage	Resolution	Test current
1.5 V	0.001 V	1 mA (typical)
Overload protection 600 V		

# PACKAGE CONTENT

Line assignment device // Transmitter // 2 x micro batteries // 2 x 9 V block battery // Operating instructions

This data sheet is published by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau ([www.conrad.com](http://www.conrad.com)).  
All rights including translation reserved. Reproduction by any method, e.g. photocopy, microfilming, or the capture in electronic data processing systems require the prior written approval by the editor. Reprinting, also in part, is prohibited. This data sheet represents the technical status at the time of printing.