


Multimeter with Automotive Ranges



Features

- Large LCD display for easy reading
- Data hold function
- Diode, transistor and continuity test capability
- Auto power off function
- Overload protection
- Low battery indication
- Power: 9V PP3 battery (not included)
- Duty cycle: 0.1% to 99.9%
- Tacho and dwell angle: 4/6/8 CYL

Specifications

Display	3½ digit LCD
Measurement Rate	2-3/sec
Over Range Indication	"1" will be displayed
Polarity Indication	Automatic Negative
Low Battery Indication	"  " Displayed
Overload Protection	Full range
Operating Temperature	0°C to 40°C, 0 to 75% RH
Storage Temperature	-10°C to 50°C, 0 to 75% RH
Battery Type	One 9V battery IEC 6F22, NEDA 1604
Dimensions	176mm × 88mm × 38mm (L×W×H)
Weight	310g (Including Battery)

Electrical Specifications

Accuracy is given \pm (% of reading + number of least significant digits) for one year, at 23°C \pm 5°C RH<75%.

DC Voltage

Input impedance : 10M Ω

Range	Resolution	Accuracy
200mV	0.1mV	\pm (0.5% + 3 digits)
2V	1mV	\pm (0.8% + 2 digits)
20V	10mV	
200V	0.1V	
600V	1V	\pm (1% + 2 digits)

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands



Multimeter with Automotive Ranges



AC Voltage

Input impedance : 10M Ω
Frequency range : 40 ~ 400Hz

Range	Resolution	Accuracy
2V	1mV	$\pm(0.8\% + 3 \text{ digits})$
20V	10mV	
200V	0.1V	
600V	1V	$\pm(1.2\% + 3 \text{ digits})$

DC Current

Measuring Voltage Drop : 200mV

Range	Resolution	Accuracy
2mA	1 μ A	$\pm(1.8\% + 2 \text{ digits})$
20mA	10 μ A	$\pm(1.8\% + 2 \text{ digits})$
200mA	0.1mA	$\pm(2\% + 2 \text{ digits})$
10A	10mA	$\pm(2\% + 10 \text{ digits})$

AC Current

Measuring Voltage Drop : 200mV
Frequency Range : 40Hz to 400Hz

Range	Resolution	Accuracy
2mA	1 μ A	$\pm(2\% + 3 \text{ digits})$
20mA	10 μ A	$\pm(2\% + 3 \text{ digits})$
200mA	0.1mA	$\pm(2\% + 5 \text{ digits})$
10A	10mA	$\pm(2.5\% + 10 \text{ digits})$

Temperature

With K-type thermocouple

Range	Resolution	Accuracy
-40°C ~ 400°C	1°C	$\pm (1\% + 4)$
400°C ~ 1000°C		$\pm (1.5\% + 15)$

OHM

Range	Resolution	Accuracy
200 Ω	0.1 Ω	$\pm (1\% \pm 10)$
2k Ω	1 Ω	$\pm (1\% \pm 4)$
20k Ω	10 Ω	
200k Ω	100 Ω	
2M Ω	1k Ω	

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands



Multimeter with Automotive Ranges



Range	Resolution	Accuracy
20M Ω	10k Ω	$\pm (1\% \pm 10)$

Dwell Angle

Range	Scope (°)	Resolution	Accuracy
4 CYL	0 ~ 90	0.1°	$\pm (2\% \pm 5)$
6 CYL	0 ~ 60		
8 CYL	0 ~ 45		

TACHO

Range	Scope (°)	Resolution	Accuracy
4 CYL	20,000 PRM	10 × RPM	$\pm(1.5\% \pm 5)$
6 CYL			
8 CYL			

Part Number Table

Description	Part Number
600V AC/DC Automotive Digital Multimeter	D03145

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. DURATOOL is the registered trademark of Premier Farnell Limited 2019.

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

