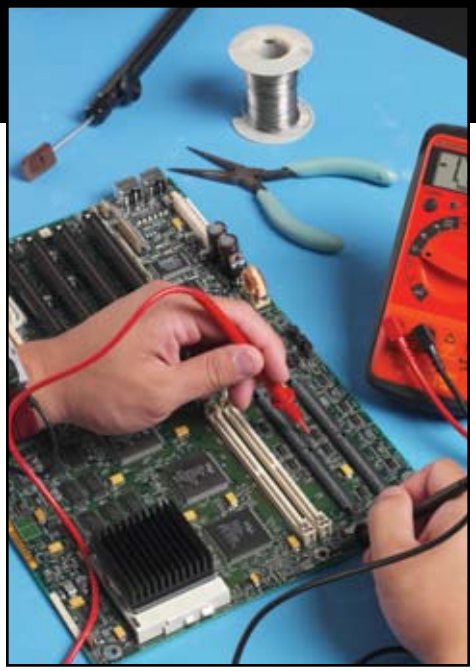

AMPROBE®

Data Sheet

15XP-B
Digital Multimeter

A compact digital multimeter for electronics and test applications

- The 15XP-B is the right choice for electronics engineers, technicians and field service
- Autoranging display for faster measurements
- TTL logic test for digital circuits
- Integrated tilt stand for easy bench use
- Diode test for component level troubleshooting
- Data Hold freezes display to “hold” measurement reading
- 750 V AC / 1000 V DC—highest voltage rating in this size of meter
- Special 2000MΩ measurement range



15XP-B

No hassle warranty

No waiting.

No shipping charges.

Our commitment to high-quality products and customer service is demonstrated by our industry exclusive “No Hassle” warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: $500 MSLP limit)

CAT II 1000V CAT III 600V C SA US CE N10140

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General Specifications

Display	3-1/2 digit liquid crystal display (LCD) with a maximum reading of 1999
Polarity	Automatic, positive implied, negative polarity indication
Overrange	(OL) or (-OL) is displayed
Zero	Automatic
Low Battery Indication	The "+▬" is displayed when the battery voltage drops below the operating level
Auto Power Off	Approx. 10 minutes
Measurement Rate	2 times per second, nominal
Operating Environment	0 °C to 50 °C at <70 % R.H.
Storage Temperature	-20 °C to 60 °C, 0 to 80 % R.H. with battery removed from meter
Accuracy	Stated accuracy at 23 °C ± 5 °C, <75 % relative humidity
Temperature Coefficient	0.1 x (specified accuracy) per °C (0 °C to 18 °C, 28 °C to 50 °C)
Altitude	2000 m
Power	Single standard 9 volt battery, NEDA 1604, JIS 006P, IEC 6F22
Battery Life	200 hours typical with carbon-zinc
Dimensions	(H x W x D) 155 mm x 72 mm x 32 mm (6.1 x 2.83 x 1.26 IN)
Weight	Approx. 210 g (0.46 Lb) including battery
Warranty	One-year

Specifications

Function	Range	Accuracy
Voltage		
DC Volts		
Ranges	200 mV, 2 V, 20 V, 200 V, 1000 V	± (0.5 % rdg + 1 dgt)
AC Volts (45 Hz to 500 Hz)		
Ranges	200 mV (45 Hz to 100 Hz)	± (1.5 % rdg + 5 dgts)
	2 V, 20 V, 200 V, 750 V	± (1.5 % rdg + 5 dgts)
Resolution	100 µV	
Input Impedance	400 mV: >100 MΩ; 4 V: 10 MΩ; 40 V to 1000 V: 9.1 MΩ	
Overload Protection	1000 V DC or 750 V AC RMS	
Current		
DC Current		
Ranges	200 µA, 2000 µA, 20 mA, 200 mA	± (1.0 % rdg + 2 dgt)
	2 A	± (2.0 % rdg + 3 dgts)
AC Current (45 Hz to 500 Hz)		
Ranges	200 µA, 2000 µA, 20 mA, 200 mA	± (1.5 % rdg + 5 dgts)
	2 A	± (2.5 % rdg + 5 dgts)
Resolution	0.1 µA	
Input Protection	2 A/1000 V fast blow ceramic fuse 6.3 mm x 32 mm on A input	
Burden Voltage	500 mV max. (2 V max. on 2 mA, 200 mA ranges)	
Resistance	200 Ω, 2 kΩ, 20 kΩ, 200 kΩ, 2 MΩ	± (1.0 % rdg + 4 dgts)
	2000 MΩ	± {5.0 % (rdg -10 dgts) +20 dgt}
Resolution	100 mΩ	
Open Circuit Voltage	-0.45 V DC typical, (-1.2 V DC on 200 Ω range)	
Overload Protection	1000 V DC or 750 V AC RMS	
Continuity		
Audible Indication	Less than 25 Ω	
Response Time	100 ms	
Overload Protection	1000 V DC or 750 V AC RMS	

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Specifications, cont.

Function	Range	Accuracy
Diode Test		
Test Current	1.2 mA (approximate)	±(1.5 % rdg + 3 dgts)
Resolution	1 mV	
Open Circuit Voltage	3.0 dc typical	
Overload Protection	1000 V DC or 750 V AC RMS	
Logic Test	TTL	
Thresholds Logic 1 (Hi)	2.8 V ± 0.8 V	
Thresholds Logic 0 (Lo)	0.8 V ± 0.5 V	
Test Voltage	TTL 5 VDC	
Frequency Range	20 MHz	
Pulse Width	25 ns min	
Duty Cycle Limits	> 30 % and < 70 %	
Indication	40 ms beep at Logic 0 (Lo)	
Overload Protection	1000 VDC or 750 VAC RMS	
Non-Contact Voltage Indicator		
Sense voltage 70 V to 600 V ac (50 Hz to 60 Hz) beeper chirps and big bright red LED comes on, works on all ranges		

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Included Accessories
Pair of test leads (TL245A), fuse 2 A/ 1000 V (P/N FP200), 9 V battery (installed), Magne-Grip™ Holster with magnetic hanging strap and users manual.

Optional Accessories
VC30A Carrying Case
DL243D Test Lead Kit

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