

# Selector Guide

# Digital Multimeters

Model	2000	2010	2001	2002
Page	16	23	21	21
Digits	6½	7½	7½	8½
Expansion Channels	10	10	10	10

## DC Volts

Sensitivity	100 nV	10 nV	10 nV	1 nV
Maximum Reading	1000 V	1000 V	1100 V	1100 V
Basic Accuracy	0.002%	0.0018%	0.0018%	0.0006%
Ratio		•	Option	Option
DC Peak Spikes			•	•

## AC Volts (TRMS)

Sensitivity	100 nV	100 nV	100 nV	100 nV
Maximum Reading	750 V	750 V	775 V (1100 V pk)	775 V (1100 V pk)
Basic Accuracy	0.05%	0.05%	0.03%	0.02%
Bandwidth	3 Hz–300 kHz	3 Hz–300 kHz	1 Hz–2 MHz	1 Hz–2 MHz
dB, dBm	•	•	•	•
Frequency, Period	•	•	•	•
Peak/Avg/RMS			•	•
AC, AC + DC			•	•

## Ohms (2/4 Wire)

Sensitivity	100 μΩ	1 μΩ	1 μΩ	100 nΩ
Maximum Reading	120 MΩ	120 MΩ	1 GΩ	1 GΩ
Basic Accuracy	0.008%	0.0032%	0.0032%	0.0007%
Continuity Test	•	•		
Diode Test	•	•		
Offset Compensation		•	•	•
Dry Circuit		•		
Constant Current	•	•	•	•
Open Source Detect				•

## DC Amps

Sensitivity	10 nA	10 nA	10 pA	10 pA
Range Span	10 mA–3 A	10 mA–3 A	200 μA–2 A	200 μA–2 A
Basic Accuracy	0.03%	0.03%	0.03%	0.027%
In Circuit Current			•	•

## AC Amps (TRMS)

Sensitivity	1 μA	1 μA	100 pA	100 pA
Range Span	1 A–3 A	1 A–3 A	200 μA–2 A	200 μA–2 A
Basic Accuracy	0.1%	0.1%	0.1%	0.1%
Bandwidth	3 Hz–5 kHz	3 Hz–5 kHz	20 Hz–100 kHz	20 Hz–100 kHz

## General Features

Interface	GPIB, RS-232	GPIB, RS-232	GPIB	GPIB
Reading Hold	•	•		
Digital I/O			•	•
Reading Memory	1024 rdg.	1024 rdg.	Opt to 30,000	Opt to 30,000
Maximum Speed	2000 rdg/s	2000 rdg/s	2000 rdg/s	2000 rdg/s
Temperature Meas.	T/C	T/C, RTD	T/C, RTD	T/C, RTD
Language Emulation	8840/42, 196/199	196/199		HP 3458

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# Selector Guide

# Digital Multimeters

Model	2015, 2015-P	2016, 2016-P	2700	2701	2750
Page	25	25	31	31	31
Digits	6½	6½	6½	6½	6½
Expansion Channels			80	80	200
<b>DC Volts</b>					
Sensitivity	100 nV	100 nV	100 nV	100 nV	100 nV
Maximum Reading	1000 V	1000 V	1000 V	1000 V	1000 V
Basic Accuracy	0.002%	0.002%	0.002%	0.002%	0.002%
Ratio			Available w/MUX card	Available w/MUX card	Available w/MUX card
<b>DC Peak Spikes</b>					
<b>AC Volts (TRMS)</b>					
Sensitivity	100 nV	100 nV	100 nV	100 nV	100 nV
Maximum Reading	750 V	750 V	750 V	750 V	750 V
Basic Accuracy	0.05%	0.05%	0.06%	0.06%	0.06%
Bandwidth	3 Hz–300 kHz	3 Hz–300 kHz	3 Hz–300 kHz	3 Hz–300 kHz	3 Hz–300 kHz
dB, dBm	•	•			
Frequency, Period	•	•	•	•	•
THD, Harmonics	•	•			
Spectrum Peaks	• (2015-P)	• (2016-P)			
4V Sine Source	•				
9V Sine Source		•			
<b>Ohms (2/4 Wire)</b>					
Sensitivity	100 μΩ	100 μΩ	100 μΩ	100 μΩ	1 μΩ
Maximum Reading	120 MΩ	120 MΩ	120 MΩ	120 MΩ	120 MΩ
Basic Accuracy	0.008%	0.008%	0.008%	0.008%	0.008%
Continuity Test			•	•	•
Diode Test	•	•			
Offset Compensation	•		•	•	•
Dry Circuit					•
Constant Current	•	•	•	•	•
<b>DC Amps</b>					
Sensitivity	10 nA	10 nA	10 nA	10 nA	10 nA
Range Span	10 mA–3 A	10 mA–3 A	20 mA–3 A	20 mA–3 A	20 mA–3 A
Basic Accuracy	0.03%	0.03%	0.03%	0.03%	0.03%
<b>AC Amps (TRMS)</b>					
Sensitivity	1 μA	1 μA	1 μA	1 μA	1 μA
Range Span	1 A–3 A	1 A–3 A	1 A–3 A	1 A–3 A	1 A–3 A
Basic Accuracy	0.1%	0.1%	0.15%	0.16%	0.15%
Bandwidth	3 Hz–5 kHz	3 Hz–5 kHz	3 Hz–5 kHz	3 Hz–5 kHz	3 Hz–5 kHz
<b>General Features</b>					
Interface	GPIB, RS-232	GPIB, RS-232	GPIB, RS-232	Ethernet, RS-232	GPIB, RS-232
Reading Hold	•	•	•	•	
Digital I/O	2 in/5 out (TTL)	2 in/5 out (TTL)	2 in/5 out (TTL)		
Reading Memory	1024 rdg.	1024 rdg.	55,000 rdg.	450,000 rdg.	110,000 rdg.
Maximum Speed	2000 rdg/s	2000 rdg/s	2000 rdg/s	3500 rdg/s	2500 rdg/s
Temperature Meas.	T/C	T/C	T/C, RTD, Thermistor	T/C, RTD, Thermistor	T/C, RTD, Thermistor

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