

Basic features	Models													
	110	111	112	175	177	179	187	189	87	787	73	77	16	
Counts	6000	6000	6000	6000	6000	6000	50000	50000	20000	30000	3200	3200	4000	
True RMS readings	AC	AC	AC	AC	AC	AC	AC+DC	AC+DC	AC	AC				
Basic DC accuracy	0.7%	0.7%	0.7%	0.15%	0.09%	0.09%	0.025%	0.025%	0.05%	0.1%	0.3%	0.3%	0.9%	
Wide bandwidth							100 kHz	100 kHz	20 kHz					
Auto/manual ranging	●	●	●	●	●	●	●	●	●	●	●	●	●	
Measurements														
Voltage AC/DC	600 V	600 V	600 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	600 V	1000 V	600 V	
Current AC/DC		10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	10 A	200 μA	
Resistance	40 MΩ	40 MΩ	40 MΩ	50 MΩ	50 MΩ	50 MΩ	500 MΩ	500 MΩ	40 MΩ	40 MΩ	32 MΩ	32 MΩ	40 MΩ	
Frequency	50 kHz	50 kHz	50 kHz	100 kHz	100 kHz	100 kHz	1 MHz	1 MHz	200 kHz	200 kHz				
Capacitance	10 mF	10 mF	10 mF	10 mF	10 mF	10 mF	50 mF	50 mF	5 μF				10 mF	
Temperature						+400 °C	+1350 °C	+1350 °C					+400 °C	
dB							60 dB	60 dB						
Conductance							50 nS	50 nS	50 nS					
Duty cycle/pulse width							●	●	●					
Continuity with beeper	●	●	●	●	●	●	●	●	●	●	●	●	●	
Diode test	●	●	●	●	●	●	●	●	●	●	●	●	●	
4-20 mA loop current as % readout										●				
Display														
Dual display							●	●						
Analog bargraph	●	●	●	●	●	●	●	●	●	●	●	●		
Backlight			●		●	●	●	●	●	●				
Data storage and exchange														
Min-Max recording/with time stamp	●	●	●	●	●	●	●	●	●	●			●	
Fast Min-Max							250 μs	250 μs	250 μs					
Display Hold/Auto (Touch) Hold	●	●	●	●	●	●	●	●	●	●	●	●		
Relative							●	●	●	●				
RS-232 interface							●	●						
Stand-alone logging								●						
Readings memories								100						
Other features														
Source 4-20 mA loop current										●				
Automatic selection, VCheck													●	
Real time clock							●	●						
Smoothing				●	●	●		●						
Overmolded case, integrated holster				●	●	●	●	●				●		
Removable holster	●	●	●						●	●	●		●	
Closed case calibration	●	●	●	●	●	●	●	●	●	●				
Separate battery/fuse access	●	●	●	●	●	●	●	●	●	●				
Automatic power off	●	●	●	●	●	●	●	●	●	●	●	●	●	
Low battery indication	●	●	●	●	●	●	●	●	●	●	●	●	●	
Warranty and safety														
Limited lifetime warranty				●	●	●	●	●	●		●	●		
Warranty (years)	3	3	3							3			3	
Input alert							●	●	●					
Dangerous voltage indication	●	●	●	●	●	●	●	●				●		
EN61010-1 CAT II											600 V	1000 V		
EN61010-1 CAT III	600 V	600 V	600 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V	1000 V		600 V	600 V	
EN61010-1 CAT IV				600 V	600 V	600 V	600 V	600 V						
See Catalog Page	6	6	6	5	5	5	4	4	7	7	8	n/a	8	

More comprehensive information is available in the DMM section of www.fluke.com.

This information is also available from FLUKEFAX at 1-800-FLUKEFAX (U.S. only.)