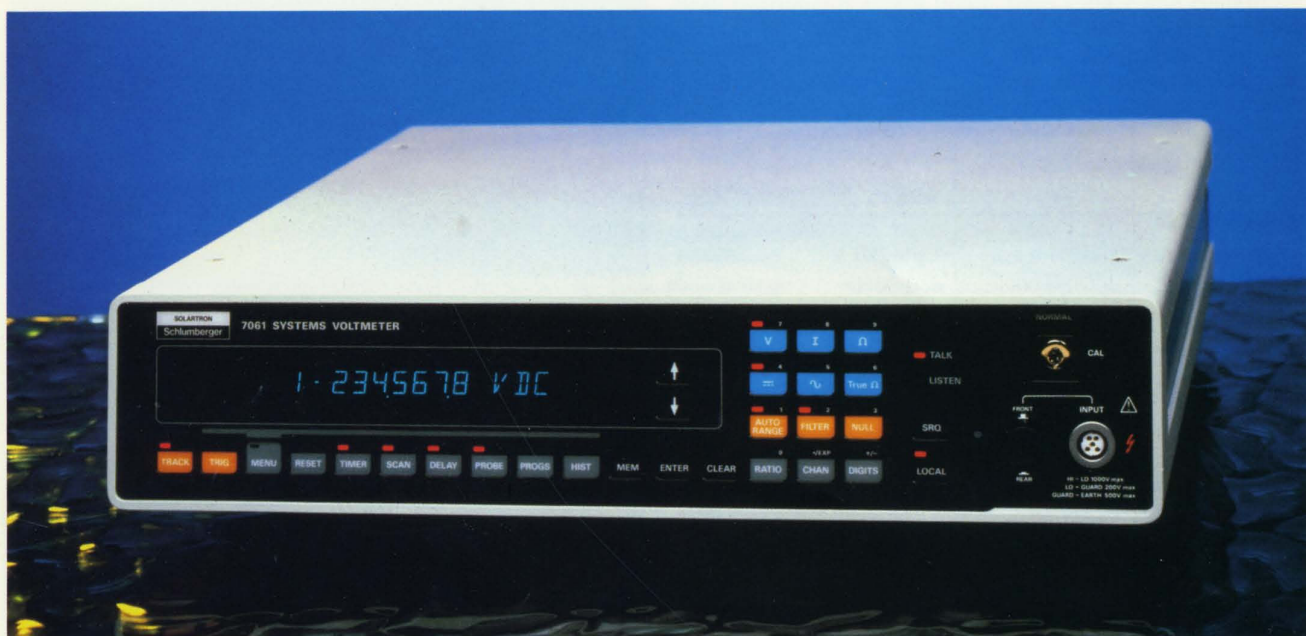


DIGITAL MULTIMETERS

7061...FAST ATE MULTIMETER WITH SCANNING CAPABILITY



When speed is critical, the 7061 is the choice. Capable of capturing up to 1500 readings per second into an internal memory of up to 8000 readings, providing an output of 300 readings per second on the IEEE-bus, responding within 3 milliseconds of an external trigger and signaling an alarm condition within 1 millisecond, the 7061 is both fast and accurate. Using a capture feature, results may be tracked until a defined input level is detected. Tracking continues until a specified number of results have been collected. Memory then contains a record of results, before and after the desired event. An extensive math and statistics package can then produce results in exactly the format required. A ratio function allows for the comparison of any measurement to any other measurement.

A built-in scanner option houses 16 channels in addition to the main and reference inputs. All 18 channels may be scanned in any sequence at a rate of 300 channels per second. Each of the channels can be set for any measurement function, delay and scale length, as well as math programs. If the scanner is not fitted, the 16 channels are recognized as "virtual channels". This gives access to various combinations of programs, allowing a single input to be manipulated in various ways. See page 6 for specifications.

7151/7150...HIGH PERFORMANCE AT MODERATE COST

These two multimeters both offer performance and operating convenience far in excess of their moderate cost. The 7150 and 7151 are both full function multimeters with up to 6½ digits resolution and similar specifications. The 7151 adds the ability to make accurate temperature measurements, as well as a stored history file of 500 readings and a powerful math and statistics package which can be preprogrammed for data processing and reduction. The 7151 also provides an oscilloscope output for viewing the last 100 readings for trend analysis and a zoom feature which allows for detailed analysis of a portion of that trend.

See page 6 for specifications.



DIGITAL MULTIMETERS

SPECIFICATIONS (accuracy in % reading + digits)

Parameter	7081 (8½ digits)	7071 (7½ digits)	7061 (7½ digits)	7060 (6½ digits)	7151 (5½ digits)	7150 (5½ digits)
Volts, dc						
Range	10 nV-1000 V	10 nV-1000 V	100 nV-1000 V	1 μ V-1000 V	100 nV-1000 V	1 μ V-1000 V
Accuracy	0.00012 + 4	0.0003 + 10	0.0005 + 2	0.002 + 6	0.002 + 3	0.002 + 5
Volts, rms ac						
Range	1 μ V-750 V	1 μ V-750 V	1 μ V-750 V	1 μ V-750 V	1 μ V-750 V	10 μ V-750 V
Frequency	dc-1 MHz	dc-1 MHz	10 Hz-500 kHz	40 Hz-50 kHz (7060E) 10 Hz-100 kHz (7060G)	10 Hz-500 kHz	10 Hz-300 kHz
FS Crest Factor	5	5	10	4 (7060E) 5 (7060G)	10	7
Accuracy	0.005 + 50	0.005 + 50	0.05 + 20	0.03 + 20 (7060E) 0.05 + 50 (7060G)	0.05 + 20	0.1 + 70
Volts, mean ac						
Range	—	—	—	1 μ V-750 V	—	—
Frequency	—	—	—	40 Hz-50 kHz	—	—
Accuracy	—	—	—	0.03 + 20 (7060C)	—	—
Current, dc						
Range	—	—	1 μ A-2A	1 nA-1A	10 μ A-2A	10 μ A-2A
Accuracy	—	—	0.02 + 10	0.04 + 10 (7060C/G)	0.02 + 3	0.02 + 5
Current, ac						
Range	—	—	10 μ A-2A	1 nA-1A	10 μ A-2A	10 μ A-2A
Frequency	—	—	40-440 Hz	40 Hz-5 kHz	40-440 Hz	40 Hz-5 kHz
Accuracy	—	—	0.05 + 20	0.08 + 40 (7060C/G)	0.05 + 20	0.1 + 100
Ohms						
Range	10 $\mu\Omega$ -1000 M Ω	10 $\mu\Omega$ -1000 M Ω	100 $\mu\Omega$ -1000 M Ω	1 m Ω -100 M Ω	10 m Ω -20 M Ω	100 m Ω -20 M Ω
Accuracy	0.00015 + 4	0.0003 + 10	0.0007 + 3	0.002 + 6	0.003 + 3	0.004 + 5
Temperature						
Range	—	—	-200 to + 600°C	—	-200 to + 600°C	—
Resolution	—	—	0.001°C, F, or K	—	0.01°C, F, or K	—