

Model 2750 Multimeter/Switch System

DC CHARACTERISTICS¹

CONDITIONS: MED (1 PLC)² or 10 PLC or MED (1 PLC) with Digital Filter of 10

FUNCTION	RANGE	RESOLUTION	TEST CURRENT ±5% OR BURDEN VOLTAGE	INPUT RESISTANCE OR OPEN CKT. VOLTAGE ³	ACCURACY: ±(ppm of reading + ppm of range) (ppm = parts per million) e.g., 10ppm = 0.001%			TEMPERATURE COEFFICIENT 0°-18°C & 28°-50°C
					24 Hour ⁴ 23°C±1°	90 Day 23°C±5°	1 Year 23°C±5°	
Voltage ¹¹	100.0000 mV	0.1 µV		>10 GΩ	15 + 30	25 + 35	30 + 35	(1 + 5)/°C
	1.000000 V	1.0 µV		>10 GΩ	15 + 6	25 + 7	30 + 7	(1 + 1)/°C
	10.0000 V	10 µV		>10 GΩ	10 + 4	20 + 5	30 + 5	(1 + 1)/°C
	100.0000 V	100 µV		10 MΩ ± 1%	15 + 6	35 + 9	45 + 9	(5 + 1)/°C
	1000.000 V ⁵	1 mV		10 MΩ ± 1%	20 + 6	35 + 9	50 + 9	(5 + 1)/°C
Resistance ^{6,8}	1.000000 Ω	1 µΩ	10 mA	5.9 V	80 + 40	80 + 40	100 + 40	(8 + 1)/°C
	10.00000 Ω	10 µΩ	10 mA	5.9 V	20 + 20	80 + 20	100 + 20	(8 + 1)/°C
	100.0000 Ω	100 µΩ	1 mA	12.2 V	20 + 20	80 + 20	100 + 20	(8 + 1)/°C
	1.000000 kΩ	1 mΩ	1 mA	12.2 V	20 + 6	80 + 6	100 + 6	(8 + 1)/°C
	10.00000 kΩ	10 mΩ	100 µA	6.8 V	20 + 6	80 + 6	100 + 6	(8 + 1)/°C
	100.0000 kΩ	100 mΩ	10 µA	12.8 V	20 + 6	80 + 10	100 + 10	(8 + 1)/°C
	1.000000 MΩ ²³	1.0 Ω	10 µA	12.8 V	20 + 6	80 + 10	100 + 10	(8 + 1)/°C
	10.00000 MΩ ^{7,23}	10 Ω	0.7 µA // 10MΩ	7.0 V	150 + 6	200 + 10	400 + 10	(95 + 1)/°C
	100.0000 MΩ ^{7,23}	100 Ω	0.7 µA // 10MΩ	7.0 V	800 + 30	2000 + 30	2000 + 30	(900 + 1)/°C
	Dry Circuit Resistance ²¹	1.000000 Ω	1 µΩ	10 mA	20mV	80 + 40	80 + 40	100 + 40
10.00000 Ω		10 µΩ	1 mA	20mV	25 + 40	80 + 40	100 + 40	(8 + 1)/°C
100.0000 Ω		100 µΩ	100 µA	20mV	25 + 40	90 + 40	140 + 40	(8 + 1)/°C
1.000000 kΩ		1 mΩ	10 µA	20mV	25 + 90	180 + 90	400 + 90	(8 + 1)/°C
Continuity (2W) ²⁴	1.000 kΩ	100 mΩ	1 mA	12.2 V	40 + 100	100 + 100	100 + 100	(8 + 1)/°C
Current	20.00000 mA	10 nA	<0.2 V		60 + 30	300 + 80	500 + 80	(50 + 5)/°C
	100.0000 mA	100 nA	<0.1 V		100 + 300	300 + 800	500 + 800	(50 + 50)/°C
	1.000000 A	1.0 µA	<0.5 V ⁹		200 + 30	500 + 80	800 + 80	(50 + 5)/°C
	3.000000 A	10 µA	<1.5 V ⁹		1000 + 15	1200 + 40	1200 + 40	(50 + 5)/°C
Channel (Ratio) ¹⁰	Ratio Accuracy = Accuracy of selected Channel Range + Accuracy of Paired Channel Range							
Channel (Average) ¹⁰	Average Accuracy = Accuracy of selected Channel Range + Accuracy of Paired Channel Range							

TEMPERATURE¹⁹

(Display in °C, °F, or K. Exclusive of probe errors.)
Thermocouples (Accuracy based on ITS-90.)

Type	Range	Resolution	90 Day/1 Year (23°C ±5°C)			Temperature Coefficient 0°-18°C & 28°-50°C
			Relative to Simulated Reference Junction	Using 77xx Module		
J	-200 to +760°C	0.001°C	0.2°C	1.0°C	0.03°C/°C	
K	-200 to +1372°C	0.001°C	0.2°C	1.0°C	0.03°C/°C	
N	-200 to +1300°C	0.001°C	0.2°C	1.0°C	0.03°C/°C	
T	-200 to +400°C	0.001°C	0.2°C	1.0°C	0.03°C/°C	
E	-200 to +1000°C	0.001°C	0.2°C	1.0°C	0.03°C/°C	
R	0 to +1768°C	0.1°C	0.6°C	1.8°C	0.03°C/°C	
S	0 to +1768°C	0.1°C	0.6°C	1.8°C	0.03°C/°C	
B	+350 to +1820°C	0.1°C	0.6°C	1.8°C	0.03°C/°C	

4-Wire RTD:

(100Ω platinum [PT100], D100, F100, PT385, PT3916, or user type, Offset compensation On)

-200° to 630°C	0.01°C	0.06°C	0.003°C/°C
----------------	--------	--------	------------

Thermistor: (2.2kΩ, 5kΩ, and 10kΩ)²⁰

-80° to 150°C	0.01°C	0.08°C	0.002°C/°C
---------------	--------	--------	------------

DC SYSTEM SPEEDS^{15,18}

RANGE CHANGES¹⁶: 50/s (42/s).

FUNCTION CHANGES¹⁶: 50/s (42/s).

AUTORANGE TIME¹⁶: <30ms.

ASCII READINGS TO RS-232 (19.2k BAUD): 55/s.

MAX. INTERNAL TRIGGER RATE: 2000/s.

MAX. EXTERNAL TRIGGER RATE: 375/s.

DC MEASUREMENT SPEEDS¹⁵

Single Channel, 60Hz (50Hz) Operation

FUNCTION	DIGITS	READINGS/s	PLCs
DCV, DCI, Ω (<10M), Thermocouple, Thermistor	6.5 ^{12,16}	5 (4)	10
	6.5 ¹⁶	35 (28)	1
	6.5 ^{12,16}	45 (36)	1
	5.5 ^{12,16}	150 (120)	0.1
	5.5 ^{16,17}	300 (240)	0.1
	5.5 ¹⁷	500 (400)	0.1
	4.5 ¹⁷	2500 (2000)	0.01
4WΩ (<10M)	6.5 ¹⁶	1.4 (1.1)	10
	6.5 ¹⁶	15 (12)	1
	5.5 ¹⁷	33 (25)	0.1
4WΩ 0Comp, RTD ²²	6.5 ¹⁶	0.9 (0.7)	10
	6.5 ¹⁶	8 (6.4)	1
	5.5 ^{16,17}	18 (14.4)	0.1
Channel (Ratio), Channel (AVG)	6.5 ¹⁶	2.5 (2)	10
	6.5 ¹⁶	15 (12)	1
	5.5 ¹⁷	25 (20)	0.1

Multiple Channels Into Memory^{15,18,25}

7703 and 7710 Scanning DCV	230/s
7703 and 7710 Scanning with Limits or Time Stamp On	230/s
7703 and 7710 Scanning DCV alternating 2WΩ	55/s
7710 Scanning Temperature (T/C)	90/s
7700 and 7708 Scanning Temperature (T/C)	50/s

Multiple Channels Into and Out of Memory^{15,16,17,18,25}

7703 and 7710 Scanning DCV	200/s
7703 and 7710 Scanning with Limits or Time Stamp On	200/s
7703 and 7710 Scanning DCV alternating 2WΩ	45/s
7710 Scanning Temperature (T/C)	85/s
7702 Scanning DCV	65/s
7700 and 7708 Scanning Temperature (T/C)	50/s

Model 2750 Multimeter/Switch System

DC SPEED vs. NOISE REJECTION

Rate	Filter	Readings/s ¹²	Digits	RMS Noise		
				10V Range	NMRR	CMRR ¹⁴
10	50	0.1 (0.08)	6.5	<1.2 μ V	110 dB ¹³	140 dB
1	Off	15 (12)	6.5	<4 μ V	90 dB ¹³	140 dB
0.1	Off	500 (400)	5.5	<22 μ V	—	80 dB
0.01	Off	2500 (2000)	4.5	<150 μ V	—	80 dB

DC MEASUREMENT CHARACTERISTICS

DC Volts

A-D LINEARITY: 1.0 ppm of reading + 2.0 ppm of range.

INPUT IMPEDANCE:

100mV-10V Ranges: Selectable >10G Ω // with <400pF or 10M Ω \pm 1%.

100V, 1000V Ranges: 10M Ω \pm 1%.

Dry Circuit: 100k Ω \pm 1% // <1 μ F.

INPUT BIAS CURRENT: <75pA at 23°C.

COMMON MODE CURRENT: <500nA at 50Hz or 60Hz.

AUTOZERO ERROR: Add \pm (2ppm of range error +5 μ V) for <10 minutes and \pm 1°C.

INPUT PROTECTION: 1000V, all ranges, 300V with plug-in modules.

Resistance

MAX 4W Ω LEAD RESISTANCE: 80% of range per lead (Dry Ckt Mode). 5 Ω per lead for 1 Ω range, 10% of range for 10 Ω , 100 Ω and 1k Ω ranges; 1k Ω per lead for all other ranges.

OFFSET COMPENSATION: Selectable on 4W Ω , 1 Ω , 10 Ω , 100 Ω , 1k Ω , and 10k Ω ranges.

CONTINUITY THRESHOLD: Adjustable 1 to 1000 Ω .

INPUT PROTECTION: 1000V, all Source Inputs, 350V Sense Inputs, 300V with plug-in modules.

DC Current

SHUNT RESISTORS: 100mA-3A, 0.1 Ω . 20mA, 5 Ω .

INPUT PROTECTION: 3A, 250V fuse.

Thermocouples

CONVERSION: ITS-90.

REFERENCE JUNCTION: Internal, External, or Simulated (Fixed).

OPEN CIRCUIT CHECK: Selectable per channel. Open >11.4k \pm 200 Ω .

EARTH ISOLATION: 500V peak, >10G Ω and <300pF any terminal to chassis.

DC Notes

- 20% overrange except on 1000V and 3A.
- Add the following to "ppm of range" uncertainty; 100mV 15ppm, 1V and 100V 2ppm, 1 Ω and Dry Circuit Ω 40ppm, 10 \rightarrow <1M Ω 2ppm, 20mA and 1A 10ppm, 100mA 40ppm.
- \pm 2% (measured with 10M Ω input resistance DMM, >10G Ω DMM on 10M Ω and 100M Ω ranges). For Dry Circuit Ω , \pm 25% with Input HI connected to Sense HI; with Sense HI disconnected add 30mV.
- Relative to calibration accuracy.
- For signal levels >500V, add 0.02ppm/V uncertainty for portion exceeding 500V.
- Specifications are for 4-wire Ω , 1 Ω , 10 Ω , and 100 Ω with offset compensation on. 77xx plug-in modules with LSYNC and offset compensation on. With offset compensation on OPEN CKT. VOLTAGE is 12.8V. For 2-wire Ω add 1.5 Ω to "ppm of range" uncertainty. 1 Ω range is 4-wire only.
- Must have 10% matching of lead resistance in Input HI and LO.
- Add the following to "ppm of reading" uncertainty when using plug in modules:

All Modules:	10 k Ω	100 k Ω	1 M Ω	10 M Ω	100 M Ω
		220 ppm	2200 ppm		
7701, 7703, 7707, and 7709 Modules:	10 ppm	100 ppm	1000 ppm	1%	10%
7706, 7708 Modules:	5 ppm	50 ppm	500 ppm	5000 ppm	5%
7710 Model 23°C \pm5°C:	11 ppm	110 ppm	1100 ppm	1.1%	11%
7710 Model Temp Coeff. >28$^{\circ}$C \rightarrow 50$^{\circ}$C:	0.3 ppm/ $^{\circ}$ C	3 ppm/ $^{\circ}$ C	30 ppm/ $^{\circ}$ C	0.03%/ $^{\circ}$ C	0.3%/ $^{\circ}$ C

- Add 1.5V when used with plug-in modules.
- For RATIO, DCV only. For AVERAGE, DCV and Thermocouples only. Available with plug-in modules only.
- Add 6 μ V to "of range" uncertainty when using Models 7701, 7703, and 7707, 3 μ V for Models 7706, 7709, and 7710.
- Auto zero off.
- For LSYNC On, line frequency \pm 0.1%. For LSYNC Off, use 60dB for \geq 1PLC.
- For 1k Ω unbalance in LO lead. AC CMRR is 70dB.
- Speeds are for 60Hz (50Hz) operation using factory defaults operating conditions (*RST). Autorange off, Display off, Limits off, Trigger delay = 0.
- Speeds include measurements and binary data transfer out the GPIB (reading element only).
- Sample count = 1000 (into memory buffer), auto zero off.
- Auto zero off, NPLC = 0.01.
- Additional Uncertainty

Type	Range	7710 Module Using CJC
J	0 to +760 $^{\circ}$ C	1.5 $^{\circ}$ C
K	0 to +1372 $^{\circ}$ C	—
N	0 to +1300 $^{\circ}$ C	0.5 $^{\circ}$ C
T	0 to +400 $^{\circ}$ C	0.5 $^{\circ}$ C
E	0 to +1000 $^{\circ}$ C	0.5 $^{\circ}$ C
R	+400 to +1768 $^{\circ}$ C	0.9 $^{\circ}$ C
S	+400 to +1768 $^{\circ}$ C	0.9 $^{\circ}$ C
B	+1100 to +1820 $^{\circ}$ C	0.9 $^{\circ}$ C

Type	Range	Plug-In Modules					
		Front Terminals Sim. Ref. Junction	7709 Sim. Ref. Junction	7701, 7703, 7707 Sim. Ref. Junction	7700 and 7708 Using CJC	7706 Using CJC	7710 Using CJC
J	-200 to 0 $^{\circ}$ C	0.1	0.1	0.3	0.8	1.6	4.5
K	-200 to 0 $^{\circ}$ C	0.2	0.2	0.4	0.8	1.6	1
N	-200 to 0 $^{\circ}$ C	0.3	0.3	0.6	0.8	1.6	2.5
T	-200 to 0 $^{\circ}$ C	0.2	0.1	0.4	0.8	1.6	2.5
E	-200 to 0 $^{\circ}$ C	-	0.1	0.3	0.8	1.6	2.5
R	0 to +400 $^{\circ}$ C	0.4	0.6	1.2	0.5	1.0	2.2
S	0 to +400 $^{\circ}$ C	0.4	0.6	1.2	0.5	1.0	2.2
B	+350 to +1100 $^{\circ}$ C	0.8	0.3	1.7	0.5	1.0	2.2

20. For lead resistance >0 Ω , add the following uncertainty/ Ω for measurement temperatures of:

		70 $^{\circ}$ -100 $^{\circ}$ C	100 $^{\circ}$ -150 $^{\circ}$ C
2.2 kΩ	(44004)	0.22 $^{\circ}$ C	1.11 $^{\circ}$ C
5.0 kΩ	(44007)	0.10 $^{\circ}$ C	0.46 $^{\circ}$ C
10 kΩ	(44006)	0.04 $^{\circ}$ C	0.19 $^{\circ}$ C

- For 4-wire Ω only, offset compensation on, LSYNC on.
- For Dry Circuit 1k Ω range, 2 readings/s max.
- For Front Inputs, add the following to Temperature Coefficient "ppm of reading" uncertainty: 1M Ω 25ppm, 10M Ω 250ppm, 100M Ω 2500ppm. Operating environment specified for 0 $^{\circ}$ C to 50 $^{\circ}$ C and 50%.
- Front panel resolution is limited to 0.1 Ω .
- Single card installed in mainframe.

Model 2750 Multimeter/Switch System

AC SPECIFICATIONS¹

Function	Range	Resolution	Calibration Cycle	Accuracy: ±(% of reading + % of range), 23°C ±5°C						
				3 Hz-10 Hz ¹³	10 Hz-20 kHz	20 kHz-50 kHz	50 kHz-100 kHz	100 kHz-300 kHz		
Voltage ²	100.0000	mV	0.1	μV	90 Days	0.35 + 0.03	0.05 + 0.03	0.11 + 0.05	0.6 + 0.08	4.0 + 0.5
	1.000000	V	1.0	μV	(all ranges)					
	10.000000	V	10	μV	1 Year	0.35 + 0.03	0.06 + 0.03	0.12 + 0.05	0.6 + 0.08	4.0 + 0.5
	100.000000	V	100	μV	(all ranges)					
	750.0000	V	1.0	mV						
					(Temp. Coeff.) ³	0.035 + 0.003	0.005 + 0.003	0.006 + 0.005	0.01 + 0.006	0.03 + 0.01
Current ²	1.000000	A	1.0	μA	90 Day/1 Yr.	3 Hz-10 Hz	10 Hz-3 kHz	3 kHz-5kHz		
	3.000000 ¹⁴	A	10	μA		0.30 + 0.04	0.10 + 0.04	0.14 + 0.04		
						0.35 + 0.06	0.15 + 0.06	0.18 + 0.06		
						(Temp. Coeff.) ³	0.035 + 0.006	0.015 + 0.006	0.015 + 0.006	
Frequency ⁴ and Period	100 mV	0.333	ppm	90 Day/1 Yr.	Accuracy ±(ppm of reading + offset ppm) (3 Hz-500 kHz) (333 ms-2 μs)					
	to	3.33	ppm		80 ppm + 0.333 ppm (SLOW, 1s gate)					
	750 V	33.3	ppm		80 ppm + 3.33 ppm (MED, 100ms gate)					
					80 ppm + 33.3 ppm (FAST, 10ms gate)					

Additional Uncertainty ±(% of reading)

Low Frequency Uncertainty	MED	FAST
20Hz - 30Hz	0.3	—
30Hz - 50Hz	0	—
50Hz - 100Hz	0	1.0
100Hz - 200Hz	0	0.18
200Hz - 300Hz	0	0.10
> 300Hz	0	0

CREST FACTOR⁵: 1-2 2-3 3-4 4-5
 Additional Uncertainty: 0.05 0.15 0.30 0.40
 Maximum Crest Factor: 5 at full-scale

AC MEASUREMENT CHARACTERISTICS

AC Volts

MEASUREMENT METHOD: AC-coupled, True RMS.
 INPUT IMPEDANCE: 1MΩ ±2% // by <100pF.
 INPUT PROTECTION: 1000Vp or 400VDC, 300Vrms with plug-in modules.

AC Current

MEASUREMENT METHOD: AC-coupled, True RMS.
 SHUNT RESISTANCE: 0.1Ω.
 BURDEN VOLTAGE: 1A <0.5Vrms, 3A <1.5Vrms. Add 1.5Vrms when used with plug-in modules.
 INPUT PROTECTION: 3A, 250V fuse.

Frequency and Period

MEASUREMENT METHOD: Reciprocal Counting technique.
 GATE TIME: SLOW 1s, MED 100ms, and FAST 10ms.

AC General

AC CMRR⁶: 70dB.
 VOLT HERTZ PRODUCT¹⁵: ≤8 × 10⁷ Volt-Hz.

AC MEASUREMENT SPEEDS^{7,8}

Single Channel, 60Hz (50Hz) Operation

Function	Digits	Readings/s	Rate	Bandwidth
ACV, ACI	6.5	2s/Reading	SLOW	3 Hz-300 kHz
	6.5	4.8 (4)	MED	30 Hz-300 kHz
	6.5 ⁹	40 (32)	FAST	300 Hz-300 kHz
Frequency, Period	6.5	1 (1)	SLOW	3 Hz-300 kHz
	5.5	9 (9)	MED	30 Hz-300 kHz
	4.5	35 (35)	FAST	300 Hz-300 kHz
	4.5 ¹⁰	65 (65)	FAST	300 Hz-300 kHz

Multiple Channel Into Memory^{10,11}

7710 SCANNING ACV: 180/s.
 7710 Scanning ACV with Auto Delay On: 2s/reading.

AC SYSTEM SPEEDS^{7,9,11}

RANGE CHANGES¹²: 4/s (3/s).
 FUNCTION CHANGES¹²: 4/s (3/s).
 AUTORANGE TIME: < 3s.
 ASCII READINGS TO RS-232 (19.2k baud): 50/s.
 MAX. INTERNAL TRIGGER RATE: 300/s.
 MAX. EXTERNAL TRIGGER RATE: 250/s.

AC Notes

- 20% overrange except on 750V and 3A.
- Specifications are for SLOW mode and sine wave inputs >5% of range. SLOW and MED are multi-sample A/D conversions. FAST is DETector: BANDwidth 300 with nPLC = 1.0.
- Applies to 0°-18°C and 28°-50°C.
- Specifications are for square wave inputs only. Input signal must be >10% of ACV range. If input is <20mV on the 100mV range then the frequency must be >10Hz. For sinewave inputs, frequency must be >100Hz.
- Applies to non-sine waves >5Hz and <500Hz. (Guaranteed by design for Crest Factors >4.3)
- For 1kΩ unbalance in LO lead.
- Speeds are for 60Hz (50Hz) operation using factory defaults operating conditions (*RST). Autorange off, Display off, Limits off, Trigger delay=0.
- Includes measurement and binary data transfer out GPIB (reading element only).
- Auto Zero off.
- Sample count = 1000 (into memory buffer).
- DETECTOR: BANDwidth 300 with nPLC = 0.01.
- Maximum useful limit with trigger delay = 175ms.
- Typical uncertainties. Typical represents two sigma or 95% of manufactured units measure < 0.35% of reading and three sigma or 99.7% < 1.06% of reading.
- For signal levels >2.2A, add additional 0.4% to "of reading" uncertainty.
- 750Vac range limited to 707Vrms and 85KHz (sinewave input) or 8 × 10⁷ Volt-Hz.

Model 2750 Multimeter/Switch System

GENERAL SPECIFICATIONS

EXPANSION SLOTS: 5.
POWER SUPPLY: 100V / 120V / 220V / 240V.
LINE FREQUENCY: 50Hz to 60Hz and 400Hz, automatically sensed at power-up.
POWER CONSUMPTION: 80VA.
OPERATING ENVIRONMENT: Specified for 0°C to 50°C. Specified to 80% RH at 35°C. Altitude up to 2000 meters.
STORAGE ENVIRONMENT: -40°C to 70°C.
BATTERY: Lithium battery-backed memory, 3 years @ 23°C.
EMC: Conforms to European Union EMC Directive.
SAFETY: Conforms to European Union Low Voltage Directive.
VIBRATION: MIL-PRF-28800F Class 3, Random.
WARM-UP: 2 hours to rated accuracy.
DIMENSIONS:
Rack Mounting: 89mm high × 485mm wide × 370mm deep (3.5 in. × 19 in. × 14.563 in.).
Bench Configuration (with handle and feet): 104mm high × 485mm wide × 370mm deep (4.125 in. × 19 in. × 14.563 in.).
SHIPPING WEIGHT: 13kg (28 lbs).
DIGITAL I/O: 2 inputs, 1 for triggering and 1 for hardware interlock. 5 outputs, 4 for Reading Limits and 1 for Master Limit. Outputs are TTL compatible or can sink 250mA, diode clamped to 40V.
TRIGGERING AND MEMORY:
Window Filter Sensitivity: 0.01%, 0.1%, 1%, 10%, or Full-scale of range (none).
Reading Hold Sensitivity: 0.01%, 0.1%, 1%, or 10% of reading.
Trigger Delay: 0 to 99 hrs (1ms step size).
External Trigger Delay: <1ms.
Memory Size: 110,000 readings.
MATH FUNCTIONS: Rel, Min/Max/Average/Std Dev/Peak-to-Peak (of stored reading), Limit Test, %, 1/x, and mX + b with user defined units displayed.
REMOTE INTERFACE:
GPIB (IEEE-488.2) and RS-232C.
SCPI (Standard Commands for Programmable Instruments)
ACCESSORIES SUPPLIED: Model 1751 Safety Test Leads, Product Information CD-ROM, and hardcopy User's Manual. Software CD-ROM with IVI/VISA drivers for VB, VC/C++, LabVIEW, TestPoint, and LabWindows/CVI, and free runtime startup software.
ACCESSORIES AVAILABLE:
4288-7 Rack Mount Rear Support Kit
77XX Modules
Extended Warranty
ExcelLINX-1A (Excel add-in datalogger software)
TestPoint™ Software Development Package
SOFTWARE: Windows 98, NT, 2000, ME, and XP compatible.