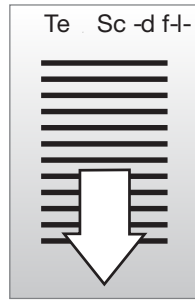


Tektronix®

$$\left| \begin{array}{cc} 1 & 1 \\ 1 & 1 \end{array} \right| = 0$$

Conditional branching
 Address calculation
 Address calculation
 Variable
 Pass/fail
 Push/pop
 Data register
 Flag



g Td T alTc -aSCNPD/C DT c c SCN-I/T al h -aSCNPD/C



Resistance Open Circuit DC Voltage²⁷

Range ¹⁹	2-wire	Offset Compensation Off		Offset Compensation On	
		4-wire		4-wire	
1		9.2 V		9.5 V	
10	9.2 V	9.2 V		9.5 V	
100 , 1	14.0 V	14.2 V		14.3 V	
10	9.5 V	9.5 V		9.5 V	
100 , 1	12.7 V	14.3 V		14.3 V (100 , 1)	
10 t 1 M	6.9 V	6.9 V			

4-Wire Ohms (≤10 kΩ) Offset Compensation On

RMS Noise (additional peak noise uncertainty)²⁸

Examples

1.0000	3 (1.0000 V) + 2 (0.0000 V) = 2.0000 V
1.0001	3 + 0.3 = 3.3

NPLC	Digits	1 Ω	10 Ω	100 Ω	1 kΩ	10 kΩ
5	7½	3.49	0.35	0.35	0.08	0.35
1	7½	7.81	0.79	0.79	0.14	0.78 (2)
0.2 ²⁹	6½	51.87 (160)	5.09 (13)	5.21 (13)	0.61 (2.6)	1.78 (8.2)
0.2	6½	68.32 (250)	6.76 (22)	6.80 (22)	0.85 (3.2)	1.78 (8.3)
0.06	5½	123.35 (546)	12.33 (54)	12.36 (56)	1.30 (6.6)	3.48 (18)
0.006	4½	397 (2144)	40 (252)	38 (216)	6 (34)	15 (78)
0.0005	3½	1767 (9333)	117 (933)	183 (954)	85 (406)	89 (456)

2-Wire Ohms

RMS Noise (additional peak noise uncertainty)²⁸

Examples



RMS Noise (additional peak noise uncertainty)³³

Examples

NPLC	Digits	10 μ A						

Thermocouple

Types: B, E, J, K, N, R, S, T

DC Accuracy⁵⁰

Range ⁵¹	Resolution ⁵²	Burden Voltage	Accuracy ± (ppm of reading + ppm of range)			
			90 Day T _{CAL} ±5 °C	1 Year T _{CAL} ±5 °C	2 Year T _{CAL} ±5 °C	Temperature Coefficient ⁵³
10.0000 µA	0.1 µA	15 V	150 + 75	160 + 75	170 + 75	30 + 15
100.000 µA	1 µA	15 V	150 + 75	160 + 75	170 + 75	30 + 15
1.00000 A	10 µA	15 V	150 + 75	160 + 75	170 + 75	30 + 15
10.0000 A	100 µA	20 V	150 + 75	160 + 75	170 + 75	30 + 15
100.000 A	1 µA	200 V	340 + 100	450 + 100	560 + 100	50 + 20
1.00000 A	10 µA	400 V	400 + 110	500 + 110	600 + 110	50 + 25
3.00000 A	100 µA	1300 V	650 + 150	900 + 150	900 + 150	50 + 25

Additional Noise Uncertainty, Typical⁵⁴

Maximum Resolution	1 bit
Measurement Input Coupling	DC (10 V), AC (10 V)
Sampling Rate ⁵⁵	1000 samples/sec, 1000 samples/sec, 1000 samples/sec
Volatile Sample Memory with Timestamp	2000 samples
Minimum Record Time	1 sec
Timestamp Resolution	1 microsecond, 1 microsecond, 1 microsecond
Timestamp Accuracy	±20 μsec, ±20 μsec, ±20 μsec
Maximum Record Length	1000 samples

Typical Reading Rates, 60 Hz (50 Hz) Operation^{56, 57, 58, 59}

NPLC	Digits	Functions: DC Voltage (10 V), 2-wire Ohms (10 kΩ), DC Current (1 mA)		Functions: 4-wire ohms (1 kΩ), 4-wire/3-wire RTD		Functions: Thermistor		Functions: Dry Circuit (1 kΩ)	
		Measurements Into Buffer	Measurements Into Computer	Measurements Into Buffer	Measurements Into Computer	Measurements Into Buffer	Measurements Into Computer	Measurements Into Buffer	Measurements Into Computer
1	7½								



Function	Function Change (ms)	Range Change (ms)

Analog Triggering⁶³

Analog Level, Edge, or Window Trigger Types⁶⁴

Input Protection

Input Protection	1010	2 0	3 0
3 A Input Fuse Protection	3. 1	10	-3
Common Mode Isolation	00	10	3 0
Power Line	100	240	
Line Frequency	0	0	
Power Consumption	1		
Operating Environment			

Language



A0	\\ (120, 0)
A1	\\ (220, 0)
A2	\\ (240, 0)
A3	\\ (240, 0)
A4	\\ (220, 0)
A5	\\ (220, 0)
A6	\\ (100, 0/ 0)
A7	\\ (230, 0)
A8	\\ (230, 0)
A9	\\ (220, 0)
A10	\\ (230, 0)

I 8 14 T T J / T 1 1 T f 16.875 -2 T d (A-4.5 (6)) (T66 part Actual Text REF0009 BDC 1.697/T 909 BDG.6 (w/16.875 0 T d f 16.875 8 (w)-16.7 T f 16.875 (u)-1 P 2 6 u)-u 1 T f 168 (e)-20.p14 .54-

Contact Information:

Australia	1	00	0	4
Austria*	00	00	22	4 3
Balkans, Israel, South Africa and other ISE Countries	+41	2		3
Belgium*	00	00	22	4 3
Brazil +	(11)	3	30-	01
Canada	1	00	33	200
Central East Europe / Baltics	+41	2		3
Central Europe / Greece	+41	2		3
Denmark	+4	0		1401
Finland	+41	2		3
France*	00	00	22	4 3
Germany*	00	00	22	4 3
Hong Kong	400	20		3
India	000	00	0 1	3
Indonesia	00	03	01	24
Italy	00	00	22	4 3
Japan	1 (3)		14	30
Luxembourg	+41	2		3
Malaysia	1	00	22	3
Mexico, Central/South America and Caribbean	2 ()		3	2
Middle East, Asia, and North Africa	+41	2		3
The Netherlands*	00	00	22	4 3
New Zealand	0	00	00	23
Norway	00	1	0	
People's Republic of China	400	20		3
Philippines	1	00	1 01	00
Poland	+41	2		3
Portugal	0 0		123	0
Republic of Korea +	2 2			14
Russia / CIS +	(4)		4	4
Singapore	00	011	4	3
South Africa	+41	2		3
Spain*	00	00	22	4 3
Sweden*	00	00	22	4 3
Switzerland*	00	00	22	4 3
Taiwan	(2)			2
Thailand	1	00	011	31
United Kingdom / Ireland*	00	00	22	4 3
USA	1	00	33	200
Vietnam	120		012	

* European toll-free number. If not accessible, call: +41 2 3

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