

DIGITAL MULTIMETER SELECTION GUIDE

	Digits	Features	DC voltage measurement		
	Full Scale		Max. resolution	Accuracy	Measurement range
SC-7403	4-1/2	<ul style="list-style-type: none"> One-chip CPU control High-speed sampling/auto ranging Temperature/power measurement True RMS measurement Continuity testing REL computation 	1 μ V	± 0.04 %	30 mV to 1000 V
	30000				
SC-7402	4-1/2	<ul style="list-style-type: none"> One-chip CPU control High-speed auto ranging Temperature measurement Average value rectifying rms measurement Continuity testing REL computation 	1 μ V	± 0.04 %	30 mV to 1000 V
	30000				
SC-7401	4-1/2	<ul style="list-style-type: none"> One-chip CPU control High-speed auto ranging True RMS measurement REL computation 	1 μ V	± 0.08 %	30 mV to 1000 V
	30000				

AC voltage measurement					Resistance measurement				
Max. resolution	Accuracy	Measurement range	Frequency range	Measurement system	Max. resolution	Accuracy	Measurement range	In-circuit resistance	Continuity testing
10 μ V	± 0.2 %	300 mV to 750 V	15 Hz to 100 kHz	TRUE	1 m Ω	± 0.08 %	30 Ω to 300 M Ω	Possible	Possible
10 μ V	± 0.2 %	300 mV to 750 V	20 Hz to 100 kHz	AVE	1 m Ω	± 0.08 %	30 Ω to 300 M Ω	Possible	Possible
10 μ V	± 0.25 %	300 mV to 750 V	20 Hz to 100 kHz	TRUE	1 m Ω	± 0.09 %	30 Ω to 300 M Ω	NA	NA

DC current		AC current		Temperature	Power	Arithmetic operation	Display	Sampling rate (DC V)	Range switching
Max. resolution	Measurement range	Max. resolution	Measurement range	Measurement range	Measurement range				
10 nA	300 μ A to 10 A	10 nA	300 μ A to 10 A	-50 $^{\circ}$ C to +800 $^{\circ}$ C (Thermocouple K)	0.0 W to 1250.0 W	REL (difference)	7-segment LEDs	FAST: 11 to 13 SLOW: 3.3 to 4 (times/s)	AUTO/MANUAL
10 nA	300 μ A to 10 A	10 nA	300 μ A to 10 A	-50 $^{\circ}$ C to +800 $^{\circ}$ C (Thermocouple K)	-	REL (difference) P-P	7-segment LEDs	3.3 to 4 times/s	AUTO/MANUAL
10 nA	300 μ A to 10 A	10 nA	300 μ A to 10 A	-20 $^{\circ}$ C to +120 $^{\circ}$ C (with optional TD-70 temperature probe)	-	REL (difference)	7-segment LEDs	3.3 to 4 times/s	AUTO



SC-7403

SC-7402

SC-7401

SPECIFICATIONS

DC Voltage Measurement (Range selection: auto/manual)

Range (resolution)	Accuracy (23 ±5°C, less than 80 % RH)			Common specifications	
	SC-7403	SC-7402	SC-7401	Input resistance	Max. allowable V
30 mV (1 μV)	±0.04 % of rdg ±5 d		±0.1 % of rdg ±8 d	More than 100 MΩ	±1100 VDC (10 s) ±500 V DC (continuous)
300 mV (10 μV)	±0.04 % of rdg ±2 d		±0.08 % of rdg ±2 d	More than 1000 M	
3 V (100 μV)				Approx 10 M	±1100 V DC (continuous)
30 V (1 mV)					
300 V (10 mV)					
1000 V (100 mV)					

Temperature coefficient
(0 to 18°C, 28 to 50°C):

(Accuracy of the range x 1/10)/°C

CMR:

More than 110 dB (1-kΩ unbalance resistance, DC, 50/60 Hz, ±0.1 %)

NMR:

More than 55 dB (50/60 Hz, ±0.1 %)

Auto ranging shift time (approx.)

50 Hz: 100 ms/range

60 Hz: 90 ms/range

Sampling rate (approx.) (Add 5 ms max. in arithmetic operation)

50 Hz:

11 times/s (SC-7403 FAST),
2.9 times/s (SC-7403 SLOW/SC-7402/
SC-7401)

60 Hz:

13 times/s (SC-7403 FAST),
3.5 times/s (SC-7403 SLOW/SC-7402/
SC-7401)

AC Voltage Measurement (Range selection: auto/manual)

ACV

Range (resolution)	Frequency	*1 Accuracy (23 ±5°C, less than 80 % RH)			Common specifications
		*2 SC-7403	SC-7402	SC-7401	Max. allowable voltage
300 mV (10 μV)	15 Hz – 50 Hz (SC-7403)	±0.3 % of rdg +30 d	±0.3 % of rdg ±10 d	±0.4 % of rdg ±30 d	<ul style="list-style-type: none"> 300 mV/3 V ranges 780 Vrms (5 s) 350 Vrms (continuous) 1100 V peak
	20 Hz – 50 Hz (SC-7402/7401)				
3 V (100 μV)	50 Hz – 10 kHz	±0.2 % of rdg +30 d	±0.2 % of rdg +10 d	±0.25 % of rdg +30 d	
	10 kHz – 30 kHz	±0.3 % of rdg +30 d	±0.3 % of rdg +20 d	±0.4 % of rdg +30 d	
30 V (1 mV)	10 kHz – 30 kHz	±0.3 % of rdg +30 d	±0.3 % of rdg +20 d	±0.4 % of rdg +30 d	
300 V (10 mV)	30 kHz – 100 kHz	±0.8 % of rdg +100 d	±0.8 % of rdg +40 d	±1.0 % of rdg +100 d	
750 V (100 mV)	15 Hz – 1 kHz (SC-7403)	±0.3 % of rdg +15 d	±0.3 % of rdg +10 d	±0.4 % of rdg +15 d	<ul style="list-style-type: none"> 30 V/300 V/750 V range 780 Vrms (continuous) 1100 V peak
	20 Hz – 1 kHz (SC-7402/7401)				

(DC + AC) V

Range (resolution)	Frequency	*1 Accuracy (23 ±5°C, less than 80 % RH)			Common specifications
		*2 SC-7403	SC-7402	SC-7401	Max. allowable voltage
300 mV (10 μV)	15 Hz – 50 Hz (SC-7403)	±0.25 % of rdg +40 d	—	±0.3 % of rdg +40 d	<ul style="list-style-type: none"> 300 mV/3 V ranges 780 Vrms (5 s) 350 Vrms (continuous) 1100 V peak
	20 Hz – 50 Hz (SC-7401)				
3 V (100 μV)	50 Hz – 10 kHz	±0.2 % of rdg +40 d		±0.25 % of rdg +40 d	
	10 kHz – 30 kHz	±0.3 % of rdg +40 d		±0.4 % of rdg +40 d	
30 V (1 mV)	10 kHz – 30 kHz	±0.3 % of rdg +40 d		±0.4 % of rdg +40 d	
300 V (10 mV)	30 kHz – 100 kHz	±0.8 % of rdg +110 d		±1.0 % of rdg +110 d	
750 V (100 mV)	15 Hz – 1 kHz (SC-7403)	±0.3 % of rdg +15 d	±0.4 % of rdg +15 d	±0.4 % of rdg +15 d	<ul style="list-style-type: none"> 30 V/300 V/750 V range 780 Vrms (continuous) 1100 V peak
	20 Hz – 1 kHz (SC-7401)				

*1 SC-7403/7401: Accuracies for an input of more than 5 % of the range (more than 100 V with 750-V range.) (crest factor: less than 3)

*2 SC-7403 FAST mode: For 200 Hz or more.

Temperature coefficient

(0 to 18°C, 28 to 50°C):

(Accuracy of the range and frequency x 1/10)/°C

Conversion method

SC-7403/7401:

True RMS (analog computation)

SC-7402:

Average value rectifying rms calibration

Input RC (approx.):

2 MΩ, less than 100 pF

Response time (in the same range, within ±10 counts from the final value):

1 s max. (SC-7403 FAST),
2 s max. (SC-7403 SLOW/SC-7402/
SC-7401)

Auto ranging shift time (approx.)

50 Hz:

230 ms/range (SC-7403 FAST),
360 ms/range (SC-7403 SLOW/
SC-7402/SC-7401)

60 Hz:

190 ms/range (SC-7403 FAST),
300 ms/range (SC-7403 SLOW/
SC-7402/SC-7401)

Sampling rate (approx.)

50 Hz:

11 times/s (SC-7403 FAST),
2.9 times/s (SC-7403 SLOW/
SC-7402/SC-7401)

60 Hz:

13 times/s (SC-7403 FAST),
3.5 times/s (SC-7403 SLOW/
SC-7402/SC-7401)

Resistance Measurement (Range selection: auto/manual)

HI-Ω (SC-7401: Ω)

Range (resolution)	*1 Accuracy (23 ±5°C, less than 80 % RH)			Common specifications	
	SC-7403	SC-7402	SC-7401	Measuring current	Max. protect V
30 Ω (1 mΩ)	±0.08 % of rdg ±4 d		±0.09 % of rdg ±4 d	10 mA	±500 V DC
300 Ω (10 mΩ)	±0.08 % of rdg ±2 d		±0.09 % of rdg ±2 d	100 μA	
3 kΩ (100 mΩ)				10 μA	
30 kΩ (1 Ω)					
300 kΩ (10 Ω)	±0.1 % of rdg ±2 d		±0.12 % of rdg ±2 d	1 μA	
3000 kΩ (100 Ω)	±0.4 % of rdg ±5 d		±0.5 % of rdg ±5 d	100 nA	
30 MΩ (1 kΩ)	±4 % of rdg ±10 d		±5 % of rdg ±10 d	10 nA	

*1 30 Ω – 3 kΩ ranges: Accuracy after Ω ZERO ADJ.

LO-Ω (SC-7403/7402)

Range (resolution)	*2 Accuracy (23 ±5°C, less than 80 % RH)			Common specifications	
	SC-7403	SC-7402	SC-7401	Measuring current	Max. protect V
300 Ω (10 mΩ)	±0.2 % of rdg ±5 d			100 μA	±500 V DC
3 kΩ (100 mΩ)					
30 kΩ (1 Ω)				10 μA	
300 kΩ (10 Ω)				1 μA	
3000 kΩ (100 Ω)	±0.4 % of rdg ±8 d		100 nA		
30 MΩ (1 kΩ)	±3 % of rdg ±15 d		10 nA		

*2 300 Ω and 3 kΩ ranges: Accuracy after Ω ZERO ADJ.

Temperature coefficient (0 to 18°C, 28 to 50°C)

HI-Ω (SC-7403/SC-7402)

30 Ω – 3000 kΩ ranges: ±0.008 % of rdg ±0.1 d/°C

30 MΩ range: ±0.04 % of rdg ±0.1 d/°C

300 MΩ range: ±0.4 % of rdg ±1 d/°C

LO-Ω (SC-7403/SC-7402)

300 Ω – 3000 kΩ ranges: ±0.02 % of rdg ±0.5 d/°C

30 MΩ range: ±0.3 % of rdg ±1.5 d/°C

Ω (SC-7401)

30 Ω – 3000 kΩ ranges: ±0.009 % of rdg ±0.1 d/°C

30 MΩ range: ±0.06 % of rdg ±0.1 d/°C

300 MΩ range: ±0.6 % of rdg ±1 d/°C

Terminal open-circuit voltage: Less than 5.8 V

Ω ZERO adjustment range: Possible up to 300 mΩ external lead (30 Ω – 3 kΩ range)

Auto ranging shift time (approx.) (*3)

50 Hz: 100 ms/range (A, C), 360 ms/range (B, D)

60 Hz: 90 ms/range (A, C), 300 ms/range (B, D)

Sampling rate (approx.) (Add 5 ms max. in arithmetic operation)

50 Hz: 11 times/s (SC-7403 FAST), 2.9 times/s (SC-7403 SLOW/SC-7402/SC-7401)

60 Hz: 13 times/s (SC-7403 FAST), 3.5 times/s (SC-7403 SLOW/SC-7402/SC-7401)

*3 A: SC-7403/SC-7402's HI-Ω 30 Ω – 3000 kΩ ranges and LO-Ω 300 Ω – 300 kΩ ranges.

B: SC-7403/SC-7402's HI-Ω 30 MΩ/300 MΩ ranges and LO-Ω 3000 kΩ/30 MΩ ranges.

C: SC-7401's 30 Ω – 3000 kΩ ranges.

D: SC-7401's 30 MΩ/300 MΩ ranges.

DC Current Measurement (Range selection: manual only)

Range (resolution)	Accuracy (23 ±5°C, less than 80 % RH)			Common specifications	
	SC-7403	SC-7402	SC-7401	Voltage drop at input terminal	Maximum allowable V
300 μA (10 nA) 3 mA (100 nA)	±0.2 % of rdg ±3 d		±0.25 % of rdg ±3 d	Less than 400 mV	3 A (10 s)
30 mA (1 μA) 300 mA (10 μA)	±0.35 % of rdg ±3 d		±0.4 % of rdg ±3 d		2 A (continuous)
3000 mA (100 μA)	±1.6 % of rdg ±3 d		±1.6 % of rdg ±3 d	Less than 1 V	3 A (continuous)
10 A (1 mA)				Less than 200 mV	10 A (continuous)

Temperature coefficient

(0 to 18°C, 28 to 50°C): ±0.015 % of rdg ±0.3 d

(SC-7403/SC-7402),

±0.02 % of rdg ±0.3 d (SC-7401)

Sampling rate (approx.) (Add 5 ms max. in arithmetic operation)

50 Hz:

11 times/s (SC-7403 FAST),

2.9 times/s (SC-7403 SLOW/SC-7402/SC-7401)

60 Hz:

13 times/s (SC-7403 FAST),
3.5 times/s (SC-7403 SLOW/SC-7402/SC-7401)

Protection against current overflow:

3-A fuse for the 300-μA to 3000-mA ranges (no fuse for the 10-A range)

AC Current Measurement (Range selection: manual only)

ACA

Range (resolution)	*1 Accuracy (23 ±5°C, less than 80 % RH)						Common specifications	
	SC-7403		SC-7402		SC-7401		Voltage drop at input terminals	Maximum allowable current
	15 Hz – 50 Hz	15 Hz – 1 kHz	20 Hz – 50 Hz	50 Hz – 1 kHz	20 Hz – 50 Hz	50 Hz – 1 kHz		
300 μA (10 nA) 3 mA (100 nA)	±0.7 % of rdg ±30 d	±0.5 % of rdg ±30 d	±0.5 % of rdg ±20 d	±0.4 % of rdg ±20 d	±0.8 % of rdg ±30 d	±0.6 % of rdg ±30 d	Less than 400 mVrms	3 Arms (10 s) 2 Arms (continuous)
30 mA (1 μA) 300 mA (10 μA)	±0.8 % of rdg ±30 d	±0.6 % of rdg ±30 d	±0.65 % of rdg ±20 d	±0.55 % of rdg ±20 d				
3000 mA (100 μA)	±1.9 % of rdg ±30 d	±1.7 % of rdg ±30 d	±1.8 % of rdg ±20 d	±1.7 % of rdg ±20 d	±2 % of rdg ±30 d	±1.8 % of rdg ±30 d	Less than 1 Vrms	3 Arms (continuous)
10 A (1 mA)							Less than 200 mVrms	10 Arms (continuous)

(DC + AC)A

Range (resolution)	*1 Accuracy (23 ±5°C, less than 80 % RH)					Common specifications	
	SC-7403		SC-7402	SC-7401		Voltage drop at input terminals	Maximum allowable current
	15 Hz – 50 Hz	50 Hz – 1 kHz		20 Hz – 50 Hz	50 Hz – 1 kHz		
300 μA (10 nA) 3 mA (100 nA)	±0.6 % of rdg ±40 d	±0.5 % of rdg ±40 d	—	±0.7 % of rdg ±40 d	±0.6 % of rdg ±40 d	Less than 400 mVrms	3 Arms (10 s)
30 mA (1 μA) 300 mA (10 μA)	±0.7 % of rdg ±40 d	±0.6 % of rdg ±40 d					
3000 mA (100 μA) 10 A (1 mA)	±1.8 % of rdg ±40 d	±1.7 % of rdg ±40 d			±1.9 % of rdg ±40 d	±1.8 % of rdg ±40 d	Less than 1 Vrms Less than 200 mVrms

*1 SC-7403/7402: Accuracies for input of more than 5 % of the range (more than 1 A for the 10-A range). (crest factor: less than 3)
*2 SC-7403 FAST mode: For 200 Hz or more.

Temperature coefficient (0 to 18°C, 28 to 50°C)	ACA: (±0.05 % of rdg ±3 d)/°C (SC-7403/SC-7401), (±0.03 % of rdg ±2 d)/°C (SC-7402)	(DC + AC)A: (±0.05 % of rdg ±4 d)/°C (SC-7403/SC-7402)	Sampling rate (approx.) (Add 5 ms max. in arithmetic operation)
			50 Hz: 11 times/s (SC-7403 FAST), 2.9 times/s (SC-7403 SLOW/SC-7402/SC-7401)
			60 Hz: 13 times/s (SC-7403 FAST), 3.5 times/s (SC-7403 SLOW/SC-7402/SC-7401)
Conversion method	SC-7403/7401: True RMS (analog computation)	SC-7402: Average value rectifying rms calibration	Protection against current overflow: 3-A fuse for the 300-μA to 3000-mA ranges (no fuse for the 10-A range)

Temperature Measurement (Range: 1 range only) (SC-7403/7402)

Thermocouple	Resolution	Measurement temperature	Accuracy (23 ±5°C, less than 80 % RH) (SC-7403/SC-7402)
K(CA)	0.1°C	-50 to +256°C	±0.1 % of rdg ±1.5°C
		+256 to +800°C	±0.1 % of rdg ±3°C

Temperature coefficient (0 to 18°C, 28 to 50°C):	±0.1°C/°C	Sampling rate (approx.)
Linearization:	Arithmetic operation of μCPU	50 Hz: 5 times/s (SC-7403 FAST), 2.5 times/s (SC-7403 SLOW/SC-7402)
		60 Hz: 7 times/s (SC-7403 FAST), 3 times/s (SC-7403 SLOW/SC-7402)

Power Measurement (Range: 1 range only) (SC-7403)

Measurement range	Resolution Input range	Frequency and power factor (sine wave)	Accuracy (23 ±5°C, less than 80 % RH)
0 – 1250 W single-phase active power	V: 80 – 125 V 0.1 W A: 0 – 10 A 40 – 400 Hz	40 – 70 Hz, cos φ = 1	±0.7 % of rdg ±30 d
		70 – 400 Hz, cos φ = 1	±1.5 % of rdg ±40 d
Influence of power factor: within ±0.5 % of rdg (cos φ = 0.5, 50/60 Hz)			

Temperature coefficient (0 to 18°C, 28 to 50°C):	(+0.08 % of rdg ±3 d)/°C	Current:	Same as (DC + AC) A 10-A range (crest factor: less than 3)
Conversion method:	Time-division multiplexing	Sampling rate (approx.)	
Input characteristics		50 Hz:	2.9 times/s
Input system:	DC-coupled 3-line input (voltage, current and common)	60 Hz:	3.5 times/s
Voltage:	Same as (DC + AC) V 300-V range (crest factor: less than 2)		

Arithmetic Operations

REL measurement (SC-7403/SC-7402/SC-7401): $Y = X - A$
Y: output display, X: measured value, A: reference value (X and A are of the same function), with REL indicator lamp

P-P measurement (SC-7402): $Y = 2\sqrt{2} \cdot X$
Y: output display, X: measure value (X is either of the ACV or ACA function) ($2\sqrt{2}$ is calculated as 2.8284), with P-P indicator lamp

Circuit Continuity Test (SC-7403/SC-7402)

In the LO-Ω or HI-Ω functions, an electronic buzzer beeps when the measured value is (1700 ±1000) counts or less. The resistance measurement is also performed at this time.

Accuracy: Twice the accuracy of resistance measurement.
Sampling rate (approx.): 11 times/s (50 Hz) or 13 times/s (60 Hz).

General Specifications (common to SC-7403/SC-7402/SC-7401)

Display:	10-mm (4") high digits, 7-segment LEDs
Max. display:	30000 (A/D conversion, full scale) 99999 (REL operation, full scale)
Operation system:	Drift-compensation type triple integration
Range selection:	Manual or automatic (manual only with current measurements) Auto UP level; when the A/D converted value is over 30000 Auto DOWN level: when the A/D converted value is below 02700
Power supply:	100/117/217/234 V AC (±10 %), 50/60 Hz
Current consumption:	Less than 6 W
Weight (approx.):	1.8 kg (4 lbs)
Dimensions:	191 ±2 (W) x 80 ±2 (H) x 260 ±2 (L) mm (7-1/2" x 3-1/8" x 10-1/4")
Max. input voltage:	±500 V DC (between COM input terminal and ground)
Operating temperature:	0 to 50°C (32 to 122°F)
Operating humidity:	Less than 80 % RH (0 to 40°C/32 to 104°F), Less than 60 % RH (40 to 50°C/104 to 122°F)
Accessories:	Power cord (x 1), 3 – 2 conversion connector (x 1), fuse (x 4), measurement lead set (x 1), alignment tool (x 1), accessory bag (x 1), instruction manual (x 1)

DIGITAL MULTIMETER OPTIONS

SC-7002 Printer Unit

- Compact thermal printer mechanism
- Limit judgement function
- Scaling and unit/decimal-point switching functions
- Timer built in

Specifications

Printing system:	Thermal printer, 16 characters/line 0.8 ± 0.2 s/character
Printing speed:	38-mm (1.5-in) wide roll paper
Recording paper:	TP50CM-A (45 mm/1.8 in dia.)
Printable data:	1) SC-7403/7402/7401's data, decimal point, unit 2) Limit detection result, arithmetic operation data 3) Time or data number 4) Decimal point or unit set by a switch on the rear panel
Limit judgement Levels:	HI LIMIT/LO LIMIT (both 5-digit values between ±00000 - +99999, set by key switches)
Conditions:	HI (measured data HI LIMIT), GO (HI LIMIT = measured data = LO LIMIT), LO (measured data LO LIMIT)
Arithmetic operations:	MATH 0: No arithmetic operation 1: (X-A) * B (X: data, A: constant A, B: constant B, all set using key switches)
Timer	Continuous (from 0000), 01 - 59 second or 01 - 59 minutes (all set using key switches with 1-s or 1-m steps), accuracy ±25 second/99 minutes
Power supply:	Provided from the SC-7403/7402/ 7401
Power consumption:	Less than 13 W (including multimeter)
Max. input voltage:	±500 V DC (between the multimeter's COM and ground connectors)
Weight (approx.):	530 g (1.2 lb)
Dimensions:	191±2(W) x 65.5±2(H) x 65.6±2(L) mm (7-1/2" x 2-1/2" x 2-1/2")
Operating temperature/humidity:	0 to 40°C (32 to 104°F), less than 80%RH

SC-7003 GP-IB Unit

- RUN/HOLD control from an external GP-IB controller
- Resistance/voltage range remote control
- Data transmission to external GP-IB equipment
- Complies with IEEE Std 488-1978

Specifications

GP-IB interface functions:	SH1, AH1, T5, L4, SR1, RL2, PP0, DC1, DT1, CO
Address switches (rear panel):	1) Selection among 31 talker/ listener addresses 2) Selection of talk-only mode 3) Selection of L/F, C/R or C/R L/F as a delimiter
Remote control:	Multimeter RUN/HOLD control, measurement range control (in DC/AC voltage and resistance measurements)
Power supply:	Provided from SC-7403/7402/7401
Power consumption:	Less than 10 W (including multimeter)
Max. input voltage:	±500 V DC (between multimeter's COM and output connectors)
Weight (approx.):	410 g (0.9 lb)
Dimensions:	191±2(W) x 65.5±2(H) x 65.5±2(L) mm (7-1/2" x 10-1/2" x 10-1/2")
Operating temperature/humidity:	0 to 40°C (32 to 104°F) / less than 80%RH, 40 to 50°C (104 to 122°F) / less than 60%RH

SC-7004 BCD Output Unit

- BCD parallel data output
- Timer built in
- RUN/HOLD control
- Measuring range remote control

Specifications

Data output:	BCD output data, decimal point, unit (TTL level)
BCD data:	BCD (1-2-4-8) parallel, 10 ⁰ to 10 ⁴ digits
Decimal point output:	10 ¹ DP, 10 ² DP, 10 ³ DP, 10 ⁴ DP
Unit output:	μA, mA, A, mV, V, Ω, kΩ, MΩ, °C, W, REL, P-P
Print command signal:	P'COM, pulse width approx. 150 μs
Polarity output:	POL (-), "1" with positive, "0" with negative polarity
Output data position:	10 ⁴ digit 10 ⁰ digit 3 . 0 . 0 . 0 . 0 10 ⁴ DP 10 ¹ DP
Usable connector plug:	57-30500 (made by DDK)
Measuring range control:	Remote control of resistance and voltage measurements possible, (control of 5 signal lines RREN, RRA, RRB, RRC and RRD)
Time interval set timer:	00 min 00 sec - 99 min 99 sec (set using the rotary digital switch on the rear panel), accuracy ±25 s/99 m 99 s
Power supply:	Provided from SC-7403/7402/7401
Power consumption:	Less than 10 W (including multimeter)
Max. input voltage:	±500 V DC (between multimeter's COM and output connectors)
Weight (approx.):	400 g (0.85 lb)
Dimensions:	191±2(W) x 65.5±2(H) x 65.5±2(L) mm (7-1/2" x 2-1/2" x 2-1/2")
Operating temperature/humidity:	0 to 40°C (32 to 104°F) / less than 80%RH, 40 to 50°C (104 to 122°F) / less than 60%RH

SC-7005 D/A Converter Unit

- Analog output of 3-digit BCD data including polarity
- Self-checking mode which generates ± full-scale output, triangular wave output, etc. regardless of the multimeter's measurement value

Specifications

Output voltage:	99.9 mV or ±999 mV full scale
Polarity of measurement data:	D/A converted and output ±0.35% of f.s. (23°C ±5°C, less than 80%RH)
Conversion accuracy:	±0.02% of f.s./°C (0 to 18°C, 28 to 50°C)
Temperature coefficient:	3 digits of the 5-digit multimeter data is output. (switchable to higher, middle or lower 3 digits of data)
D/A output range:	90 Ω (±99.9 mV full scale), 500 Ω (±999 mV full scale)
Output resistance (approx.):	Provided from SC-7403/7402/7401
Power supply:	Less than 10 W (including multimeter)
Power consumption:	±500 V DC (between multimeter's COM and output connectors)
Max. input voltage:	400 g (0.89 lb)
Weight (approx.):	191±2(W) x 65.5±2(H) x 65.5±2(L) mm (7-1/2" x 2-1/2" x 2-1/2")
Dimensions:	0 to 40°C (32 to 104°F) / less than 80%RH, 40 to 50°C (104 to 122°F) / less than 60%RH
Operating temperature/humidity:	

SC-7006 Battery Unit

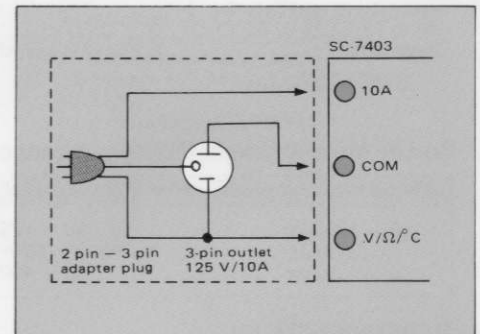
- For use when the multimeters are used in a place where AC power is not available.
- Two charging methods: full charging (when the multimeter power is OFF) or trickle charging (when the multimeter power is ON).

Specifications

Battery type:	Ni-Cd battery (N1800C x 5 cells)
Continuous operation time:	4 hrs min. after charging (normal temperature)
Charge time (approx.):	18 hours (full charging when the multimeter power is OFF)
Battery capacity:	6 V (1.2 V x 5) nominal, 1800 mAh
Operating temperature/humidity:	0 to 40°C (32 to 144°F) / less than 80%RH, 40 to 50°C (144 to 122°F) / less than 60%RH
Weight (approx.):	720 g (1.6 lb)
Dimensions:	191±2(W) x 65.5±2(H) x 65.5±2(L) mm (7-1/2" x 2-1/2" x 2-1/2")

SC-0106 Power Measurement Adapter (for SC-7403)

- For use in electrical power measurement using the SC-7403.
- One-touche connection of voltage and current lines.



Specifications are subject to change without notice.

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