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Find the *Keithley 485* at our website: *Click HERE*

PURCHASED ITEM

PART NUMBER 485 SPECS

SPECIFICATIONS

RANGE	RESOLUTION	ACCURACY (1 YEAR) 18°-28°C ±(%rdg + counts)†	ANALOG RISE TIME (10-90%)	NORMAL MODE REJECTION RATIO (50 or 60Hz)	MAXIMUM CONTINUOUS INPUT‡
2 nA	0.1pA	0.4 + 4	60ms	70dB	350Vdc
20 nA	1 pA	0.4 + 1	60ms	70dB	350Vdc
200 nA	10 pA	0.2 + 1	6ms	65dB	350Vdc
2 μA	100 pA	0.15 + 1	3ms	65dB	350Vdc
20 μA	1 nA	0.1 + 1	3ms	65dB	50Vdc
200 μA	10 nA	0.1 + 1	1ms	65dB	50Vdc
2mA	100 nA	0.1 + 1	1ms	55dB	50Vdc

† When properly zeroed.
‡ With no limiting resistance: 1000Vdc with external 100kΩ series resistance.

INPUT VOLTAGE BURDEN: Less than 200μV.
RANGING: Manual or autoranging.
AUTORANGING TIME: Average 250ms per range.
SETTLING TIME AT DISPLAY: Less than 1 second to within 2 counts on fixed range.
CONVERSION PERIOD: 300ms.
TEMPERATURE COEFFICIENT (0°-18°C & 28°-50°C): ±(0.1 × applicable accuracy specification) per °C.
MAXIMUM COMMON MODE VOLTAGE: 30V rms, DC to 60Hz sine wave.
ANALOG OUTPUT:
Output Voltage: +1V = −10000 counts, except +100mV = −10000 counts on 2nA range.
Output Resistance: 1000Ω.
REL: Pushbutton allows zeroing of on range readings. Allows relative readings to be made with respect to baseline value. Front panel annunciator indicates REL mode.
DATA STORE and MIN/MAX: 100 reading storage capacity; records data at one of six selectable rates from 3 readings/second to 1 reading/hour, or by manual triggering. Also detects and stores maximum and minimum readings continuously while in the data store mode.
LOG: Displays logarithm (base 10) of the absolute value of the measured current (examples: −3.000 = ±1mA; −6.301 = ±0.5μA).

IEEE-488 BUS IMPLEMENTATION (Option 4853)

MULTILINE COMMANDS: DCL, SDC, GET, GTL, UNT, UNL, SPE, SPD.
UNILINE COMMANDS: IFC, REN EOI, SRQ, ATN.
INTERFACE FUNCTIONS: SH1, AH1, T5, TE0, L4, LE0, SR1, RL2, PP0, DC1, DT1, C0, E1.
PROGRAMMABLE PARAMETERS: Zero Check, Range, REL, LOG, Trigger, Calibration, EOI, SRQ, Status, Output Format, Terminator.

GENERAL

DISPLAY: 4½ digit LCD, 0.5" height; polarity, range and status indication.
OVERRANGE INDICATION: "OL" displayed.
CONNECTORS:
Input: BNC.
Analog Output: Banana Jacks.
OPERATING ENVIRONMENT: 0-50°C, less than 70% R.H. up to 35°C; linearly derate 3% R.H./°C up to 50°C.
STORAGE ENVIRONMENT: −25° to +60°C
POWER: 105-125V or 210-250V (switch selected), 90-110V available, 50-60Hz, 12 VA.
DIMENSIONS, WEIGHT: 85mm high × 235mm wide × 275mm deep. (3⅜" × 9¼" × 10¾").
Net Weight: 1.8kg (4 lbs.)

ACCESSORIES AVAILABLE:

Model 1010:	Single Rack Mounting Kit
Model 1017:	Dual Rack Mounting Kit
Model 1684:	Hard Shell Carrying Case
Model 1758:	Rechargeable Battery Pack
Model 4801:	Low Noise Input Cable (4ft.), BNC to BNC
Model 4803:	Low Noise Cable Kit
Model 4853:	IEEE-488 Interface
Model 7008-3:	IEEE-488 Digital Cable (3ft.)
Model 7008-6:	IEEE-488 Digital Cable (6 ft.)
Model 8573:	IEEE-488 Interface for IBM PC

LTR	REVISIONS	APP.	DATE
A	ECO 2334		6-18-87

DRN. MH DATE 6-18-87
CKD. [illegible] DATE 6-18-87
APP. DATE

KEITHLEY Keithley Instruments Inc. Cleveland, Ohio 44139

MODEL 485 SPECIFICATIONS

PART NUMBER 485 SPECS

FORM 28777A

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