

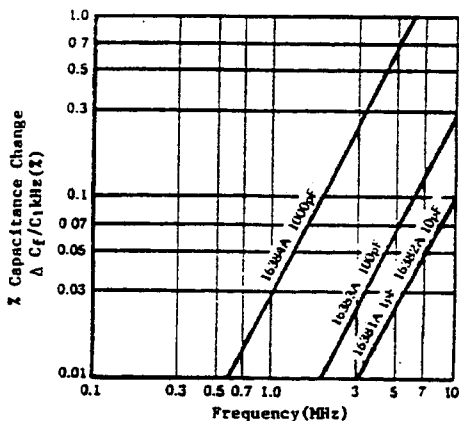
Specifications*

	MODEL			
	16381A	16382A	16383A	16384A
CAPACITANCE	1pF	10pF	100pF	1000pF
ACCURACY	±0.1%			
DISSIPATION FACTOR	< .0001			
DIMENSIONS	142mm(W) x 88mm(D) x 112mm(H)			
WEIGHT	1.4kg each, set of 4(16380A) + case 8.6kg			

at 1kHz, 23°C ± 5°C
Relative humidity: 50 ± 20%

Reference Data

Frequency Characteristics



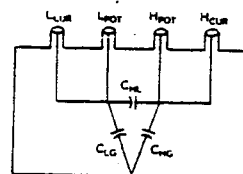
Stability:

≤300ppm/yr.(at 1kHz and 23°C ±5°C)

Residual Capacitance (Typical)

	MODEL			
	16381A	16382A	16383A	16384A
C _{HG}	15pF	20pF	30pF	30pF
C _{LG}	40pF	25pF	30pF	30pF

Equivalent Circuit



C_{HG}: 4-terminal capacitance

C_{HG}, C_{LG}: Parasitic capacitance to guard

Temperature Coefficient(Typical)

16381A: +40ppm/°C

16382A, 16383A, 16384A: +30ppm/°C

Calibration Accuracy:

±0.01% (certification @1kHz supplied).

Accessories Furnished

- 4ea. BNC female-female adapters(1250-0080)
- 1ea. carrying case(16380-85C01)

Accessories Required for Connecting the 16380A to HP LCR Meters

LCR METERS	ACCESSORIES (QTY. REQUIRED)
4261A DIGITAL LCR METER	16361-61605 TEST LEAD (1) 1250-0080 BNC F-F ADAPTERS (4)**
4262A DIGITAL LCR METER	16361-61605 TEST LEAD (1) 1250-0781 BNC-T ADAPTER (1) and 1251-0921 BNC-T ADAPTER (1) OR 1250-0781 BNC-T ADAPTERS (2) and 1250-0080 BNC F-F ADAPTERS (4)**
4271A/B 1MHz DIGITAL LCR METER 4272A 1MHz PRESET C METER	16032A TEST LEAD (1) 1250-0781 BNC-T ADAPTER (1) and 1251-0921 BNC-T ADAPTER (1) OR 1250-0781 BNC-T ADAPTERS (2) and 1250-0080 BNC F-F ADAPTERS (4)**
4273A ** 1MHz PRESET C METER	16045A TEST LEAD (1)** or 10121A BNC-BNC CABLES (4) 1250-0781 BNC-T ADAPTER (1) and 1251-0921 BNC-T ADAPTER (1) OR 1250-0781 BNC-T ADAPTERS (2) and 1250-0080 BNC F-F ADAPTERS (4)**
4274/75A ** MULTI-FREQUENCY LCR METER	10121A BNC-BNC CABLES (4) 1250-0781 BNC-T ADAPTER (1) and 1251-0921 BNC-T ADAPTER (1) OR 1250-0781 BNC-T ADAPTERS (2) and 1250-0080 BNC F-F ADAPTERS (4)**
4270A AUTOMATIC CAPACITANCE BRIDGE	10121A BNC-BNC CABLES (2) 1250-0080 BNC F-F ADAPTERS (2)**
4265A/B UNIVERSAL BRIDGE 4332A LCR METER	10121A BNC-BNC CABLES (2) 10113A (1) or 10111A (2) BANANA-BNC ADAPTERS 1250-0080 BNC F-F ADAPTERS (2)**

*1 Furnished with the 16380A

*2 Calibrate the LCR Meter with the 16380A standards connected directly to the unknown terminals. Adapters are used only for offset adjustment before calibration.

*3 Standard accessory for the 4273A.

NOTE: Detailed information (all required calibration equipment and procedures) is described in individual manuals.