



**4330 CAP METER**  
**PRODUCT SPECIFICATION**

**1. KEY PARAMETERS:**

<i>Model</i>	<b>4330</b>
Description	Capacitance Meter
Basic accuracy	C: 0.1% D: 0.02%
AC Drive Frequency	1kHz 10kHz 100kHz
AC Drive Level rms	10mV – 2V
Measurement parameters	Z $\Phi$ Rac C D L Q B G X Y
Measurement Time	20ms

**2. FULL SPECIFICATION:**

*Measurement Parameters*

Measurement parameters	Z $\Phi$ Rac C D B G X Y
Auto parameter selection	No

*Display Formats*

Series or Parallel Equivalent Cct	All parameters
Series Equivalent Circuit only	-
Parallel Equivalent Circuit only	-
Polar form	Z+ $\Phi$ , Y+ $\Phi$

*AC Drive Signal*

<b><i>Frequency</i></b>	
Range	1kHz 10kHz 100kHz
No of steps	3
<b><i>Voltage</i></b>	
Open Circuit Voltage	10mV to 2V
Voltage step size	10mV
No of voltage steps	199
<b><i>Current</i></b>	
Short Circuit Current	100uA to 20mA
Current step size	100uA
<b><i>Source Impedance</i></b>	
Source Impedance	100Ω
ALC	No
Test Signal Monitoring	No

*DC Bias Voltage*

Internal Bias Voltage	2V
Accuracy	±5%
External Bias Voltage	±40V

*Measurement Time*

MAX	20ms
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*Modes of Operation*

Single & repetitive displaying major & minor terms	Yes
Analogue scale with Hi/Lo limits & PASS/FAIL indicator	Yes
Deviation Mode – relative or % deviation from nom	Yes
Multi-freq program store	No



Resonance Search	No
Set Up Memory	Yes
Graph	No
Binning	/B1 & /B2 options
Trigger	INT, EXT, MAN & BUS
Trigger delay	Yes
Audible alarm	Yes
Contact check	No
Keypad lockout	Yes

***Measurement Connections***

4 Front panel BNC's	Yes
2 terminal and 3 terminal connection	No
Charged cap protection	500V ¼J
Suitable accessories	1J1100 to be checked

Mechanical Height	104mm (4.1")
Width	322mm (12.7")
Depth	285mm (11.2")
Weight	3kg

***Environmental conditions***

Storage temperature	-40°C to +70°C
Operating temperature	0°C to +40°C
Normal accuracy	15°C to 35°C
Relative humidity	Up to 80% non-condensing
Altitude	Up to 2000m
Installation category	II (IEC664)
Pollution degree	2 (mainly non-conductive)
Safety	EN61326
EMC	EN61326