REPLACEMENT GUIDE FOR OLD WAYNE KERR MODEL

	OLD MODEL	REPLACEMENT MODEL
	7330 AUTOMATIC LCR METER	**4310 LCR METER**
Available	Made between 1988 and 1996	First made in 2009 and still in production
Basic Accuracy	0.1%	
Frequency Range	100Hz, 1kHz, 10kHz	20Hz to 100kHz

The recommended replacement for the 7330 is the 4310. The 4310 has some significant improvements compared to the older model:

- Higher measurement frequency of 100kHz
- Many more measurement frequencies – 557 steps
- Extra measurement parameters Z Y θ B X Rdc
- Wider AC Drive range - 10mV to $2V_{rms}$
- Faster measurement speed - 20ms
- DC resistance as standard
- More remote control interfaces – GPIB, RS232, USB and LAN
- Larger and easier to read display
- Autoranging AC input voltage

The following table contains the key specification features. Further details are available on request.

7330 COMPARISON WITH 4310

Model Number	**7330**	**4310**
Basic Accuracy	0.1%	0.1%
Test frequencies	100Hz 1kHz 10kHz 3 steps	20Hz to 100kHz 557 steps
Measurement functions	L C R Q D	L C R Q D Z Y θ B G X
Auto component	Yes	No
AC Drive Level	250mV 1 step	10mV to 2V 200 steps
Source Impedance	100Ω	100Ω
Measurement Time	650ms (cal mode) 280ms (uncal mode)	20ms
DC resistance	No	Standard
Connections	4 terminal via BNC Kelvin leads	4 terminal via BNC Kelvin leads
Equivalent circuit	Series / parallel	Series / parallel
DC bias voltage	2V (internal)	2V (internal) ±40V (external)
Binning	Yes	/B1 & /B2 option
Display	5 digit LED for results LEDs to indicate component type and measurement units	Black / white 320 x 240 pixels Full details shown on display
Interfaces	GPIB (IEEE488-2)	GPIB (IEEE488-2) RS232 USB LAN
Power	115/230V AC Switchable	90 to 264V AC Autoranging
Mechanical	127mm (H) 482mm (W) 419mm (D) 9kg	104mm (H) 322mm (W) 285mm (D) 3kg