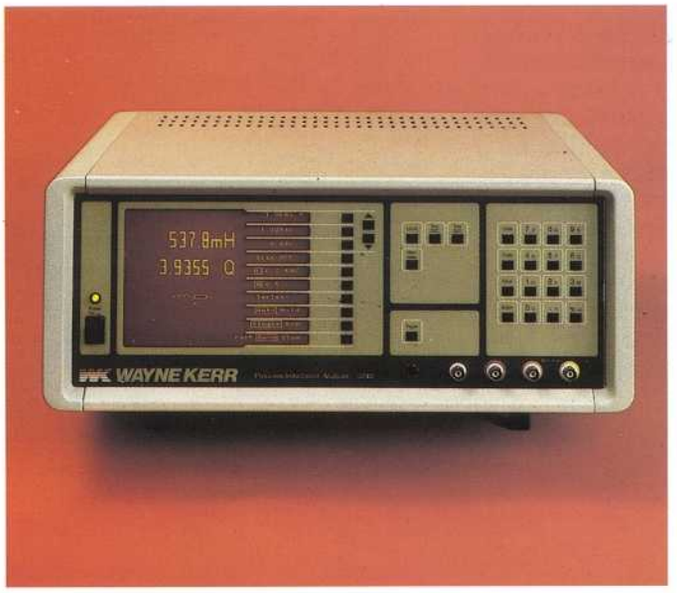
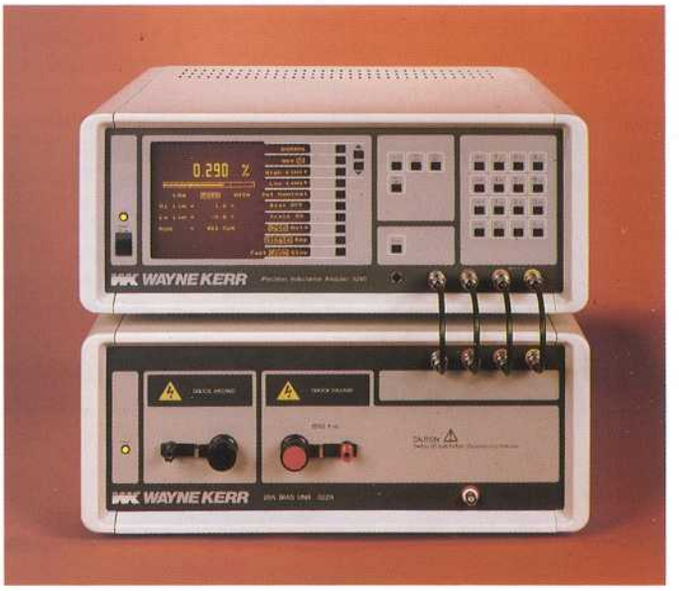
MODEL 3245



Precision Inductance Analyzer with microprocessor control.

- ★ Basic accuracy 0.1%.
- ★ Measurement functions L, C, R, D, Q, Z, Rdc, Phase Angle θ and Transformer Ratio.
- ★ 42 Frequencies in the range 20 Hz to 300 KHz.
- ★ Video display incorporating major term, minor term and equivalent circuit representations.
- ★ Programmable drive level.
- ★ Integral DC current bias for inductors, which has programmable levels up to 1A dc.
- ★ Limits (% or absolute), Analog scale and Sorting (Binning) functions are built-in.
- ★ Automatic range selection with manual override.
- ★ 'Soft' Keys for parameter and mode selection.
- ★ Automatic Trim for open and short circuit connections.
- ★ Permanent retention of Trim Values, any programmed Limits and Binning data including test statistics and measurement parameters.
- ★ 4-Terminal connections with active guard.
- ★ Integral keypad.
- ★ User choice from three measurement rates.
- ★ 19″ Rack mountable.
- ★ OPTIONS:
  GPIB (IEEE 488) Parallel I/O port,
  RS232C Serial data output port,
  Standard Handler Interface,
  Analog voltage output interface.

3200 INDUCTANCE ANALYSIS SYSTEM



Comprising a 3245 Precision Inductance Analyzer and up to five 3220 Bias Units, this system can provide full analysis of inductance with as much as 100A of DC flowing.

- ★ Basic accuracy of system 1%
- ★ Measurement functions L, C, R, D, Q, Z, DC resistance, Phase Angle θ and transformer ratio.
- ★ Measurement frequencies in the range 20 Hz to 20 KHz.
- ★ Each 3220 can provide up to 20A dc in 0.1A steps.
- ★ 3245 has video display for major term, minor term and equivalent circuit representation.
- ★ 4-Terminal connections with active guard.
- ★ 19″ rack mountable.
- ★ OPTIONS:
  GPIB (IEEE 488) Parallel I/O port,
  RS232C Serial Data output port,
  Standard Handler Interface,
  Analog voltage output interface.

Important Information at a glance

Model	4225	4210	B905/905A	6425	3245	IAS 3200
Parameter	L, C, R, D, Q		L, C, R, D, Q, G	L, C, R, D, Q, G, Z, Y, Angle θ	L, C, R, D, Q, Z, Angle θ Rdc Turns Ratio	
Phase angle				X	X	X
Mutual Inductance					X	X
Turns Ratio					X	X
AC-Stimulus voltage	250mV		0.1 — 5V	--- programmable --- 10mV — 5V/1mA — 100mA		
Stimulus voltage display			X	X	X	X
Stimulus current display				X	X	X
DC-Voltage	2V		2V/ext. max 50V	Program. max 50V		
DC-Current					--- programmable --- max. 1A 20A—†*100A	
Frequency (Hz)	--- programmable --- 100 — 1K — 10K			--- programmable --- 20 to 300K		20 to 20K
Basic accuracy %	0.25	0.1	0.05	0.02	0.1	1.0
Display format	LED 5 digits	LED 5 digits	2 x LCD 5 digits	7" Monitor, Parameter 5 digits		
Controls	Touch Panel		Push-Button	Soft-keys + Keypad		
Display of Instructions				X	X	X
Sort function %-Absolute Binning		10	*12	10	10	10
Pass/Fail sorting	X		X	X	X	X
IEEE-488 Bus (GPIB)		X	*X	*X	*X	*X
Serial Output			*X	*X	*X	*X
Analog Output			*X	*X	*X	*X
Handler interface		X	*X	*X	*X	*X
4 terminal connection jig	X	X	*X	*X	*X	*X
Cable Adaption	*X	*X	X	X	X	X

*Options only. Not fitted as standard unit.
†0 to -5 and 20 respectively

All equipment operates at 50/60 Hz.