

# Automatic Component Analyzer



## Introduction:

Automatic Component Analyzer is widely used in ultrasonic area , for inpection piezoceramic and transducer, quality control on product line and laboratory use over a wide measurement range up to 300kHz with step of 0.01Hz, signal level from 5 mV to 2V, and DC internal bias voltage. HANDLER, GPIB, RS232C interfaces help build an automatic component measurement system, communicate with the computer and record the test results.

## Feature:

- 320\*240 dot-matrix large graphics LCD display
- English operation languages
- Measurement frequency from 20 Hz to 300 kHz with resolution of 10mHz
- Frequency response analysis and curve display function resolution of 10mHz
- Frequency response analysis and curve display function

- DC resistance and transformer parameter measurement function
- Built-in comparator; 10-bin sorting and bin counters
- Test signal level monitor function
- Automatic level control function for V and I
- 0V, 1.5 V and 2 V internal DC bias voltage
- Optional  $\pm 10\text{V}(\pm 100\text{mA})$  and 1A internal DC bias source
- 20 sets of instrument settings saved and loaded
- Standard RS232C interface
- Optional HANDLER and GPIB interfaces

General specifications:

Working temperature/ humidity		0°C-40°C, $\leq 90\% \text{ RH}$
Generator required	Voltage	198V-242V
	Frequency	47.5Hz-63Hz
Power Lossing		$\leq 80\text{VA}$
Dimensions(W×H×D)		430mm×185mm×473mm
Total weight		13Kg
Unit Price		5000USD

**measurement range:**

<b>  Z   , R, X</b>	<b>0.0001 <math>\Omega</math> -99.0000M <math>\Omega</math></b>
<b>DCR</b>	<b>0.001 <math>\Omega</math> -99.9999M <math>\Omega</math></b>
<b>  Y   ,G,B</b>	<b>0.00001 <math>\mu</math> S-99.9999S</b>
<b>C</b>	<b>0.00001PF-9.9999F</b>
<b>L</b>	<b>0.00001 <math>\mu</math> H-9999.99H</b>
<b>D</b>	<b>0.0001-9.99999</b>
<b>Q</b>	<b>0.00001-99999.9</b>
<b><math>\theta</math> (DEG)</b>	<b>-179.999<math>^{\circ}</math> -179.999<math>^{\circ}</math></b>
<b><math>\theta</math> (RAD)</b>	<b>-3.14159-3.14159</b>
<b>Turn-Ratio</b>	<b>1:0.01-1:100</b>
<b><math>\Delta</math>%</b>	<b>-999.99%-999.999%</b>

**Instrument accessories:** 4-terminal test fixture,4-terminal test fixture,2-terminal test cable,gilded shorting plate.

## Options:

4 terminal test fixture

axial lead component test fixture

core test fixture

SMD component test fixture

SMD component test tweezers

Handler/Scanner control cable

USB interface control cable

USB disk adapter

32MB USB disk

GPIB interface cable

RS232C interface cable

100mA/10V bias board

1A bias board