

# Series CS361XX



## Network Analyzer

Series: 36106A, 36106B, 36110A, 36110B, 36113A, 36113B  
Dimension: 430mm × 185mm × 375mm  
Weight: 6.5kg

CS361XX series Network Analyzer is separated into three parts in frame: Source, Input Processing and Display, all the three parts have their unique characteristics.

■ Display: Eliminating the traditional CRT display, and adopting 640\*480 TFT LCD, board visual angle, clear graph and different color displaying the different channel test result make the display more direct and legible. ■ Source part adopts Digital frequency synthesizing technology, its frequency resolution reaches to 1Hz; output adopts Automatic Level Control (ALC) technology, and its output range can realize digital calibration which assures the range flatness in all the frequency range to be better than 0.5dB. ■ Output part: Digital processing adopts Digital Signal Processing (DSP) and programmable logic component, the active range can reach to 60Db; three inputting channels: two are A & B active detecting channels, one is direct inputting channel C; simultaneously display the measuring results of transmission and reflection characteristics; each channel provides 5 markers, store 6 memory states and 12 measuring results, and all can be printed out. ■ The instrument can be widely applied in all kinds of network active sweep in VHF and UHF ranges, such as the test of active and passive four-port network, filter, cables, the transmission and reflection of amplifier, especially the test of broadcasting television CATV. Special notice is that in the channel B reflection test, the return loss and standing wave ratio can be measured and displayed directly through normalized processing, it is convenient for user and save the trouble for checking the meter. ■ Advanced Chinese & English operation function, satisfies different customers with various demands.

### Main Product Index

- Source output index:
- Frequency Range: 1MHz - 1000MHz ( CS36110 A/B )  
1MHz - 1300 MHz ( CS36113 A/B )
- Frequency Stability:  $\leq \pm 5$ ppm
- Frequency Resolution: 1 Hz
- Output Level: -65dBm - +13 dBm ( A series ) ;  
-46dB  $\mu$  V - 116 dB  $\mu$  V ( B series )
- Level Precision:  $\leq \pm 1.5$  dB
- Level Flatness:  $\leq \pm 0.5$  dB
- Harmonic Control Ratio:  $\geq 30$  dBc ( 5-1300MHz )
- System Impedance: 50  $\Omega$  ( A series ) or 75  $\Omega$  ( B series )

### Input Index:

- Dynamic Range: 60dB ( +13dBm --47 dBm )
- Amplitude Measurement Resolution: 0.1dB
- Marker Test Precision: 0.01

### Display Index:

- Display Logarithm Scale: 1 dB/DIV - 10dB/DIV
- Display Resolution: 0.02 dB
- Sweep Time: 600ms - 20s / frame ( 501 points )
- Colorful TFT LCD: 7.8 inches
- Frequency Marker and Function: Double channels, 5 markers / channel

### Measurement Function:

- Measurement Channel: 3 channels, 2 tracks
  - Measurement Parameter: A, B, C
  - Measurement Format: Logarithm amplitude
  - Sweep Mode: Linearity, CW (Zero sweep)
  - Trigger Mode: Continuous, Single (EXT), Hold
- ### Other Index:
- Power source and power: AC 110V - 250V/50-60Hz  
S  $\leq$  100VA
  - Weight: About 8 Kg
  - Working Environmental Requirements: Temperature: 0°C - 40°C, Humidity:  $\leq$ 75%
  - Storage Environmental Requirements: -10°C - 50°C
  - Store/Recall: 6 states, 12 tracks