

EMI Analyzer

EA-2100



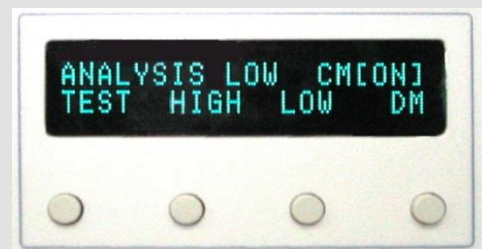
- World-first innovative EMI noise analysis and measuring Instruments
- Powerful capability to minimize EMI debugging period
- Maximizing effective EMI filter design and components selection

Characteristics

- Only with currently used spectrum analyzer, the measured noises (Line 1 & Line 2) are just “mixture of Differential-mode & Common-mode” By analyzing, separating, and showing each individual noise, Line 1, Line 2, Differential-mode, and Common-mode, EA-2100 provides the real & exact noise analysis and solution.
- Minimizing EMI debugging period
- Capable to design the most effective EMI filter and its components selection
- Capable to analyze the noises by its sources and routes – useful to provide noise solution process and its related components developments.
- Re-design of finished products to maximize its specification and cost reduction by using the most suitable components.
- Analysing power line noise in production lines, and provide protect any mal-function caused by the noises.
- EA-2100 can be used any brand of spectrum analyzer and/or EMI receiver now being used on the field.
 - minimizing investment cost
 - maximizing the capability of the used instruments
- By analyzing power line circumstance, provides the most most stable measuring basis
- State-of-art design and easy & simple operation

Main function

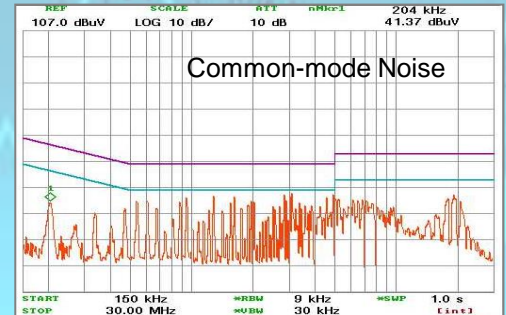
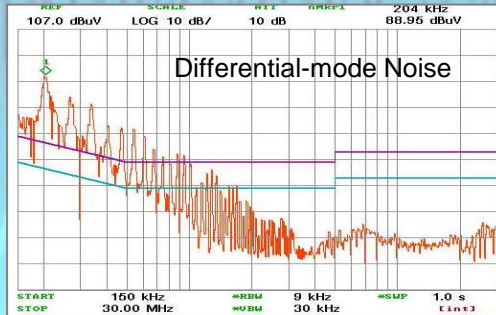
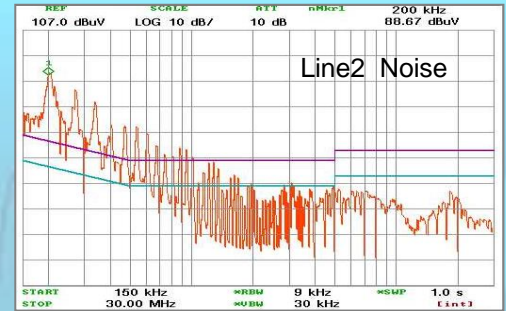
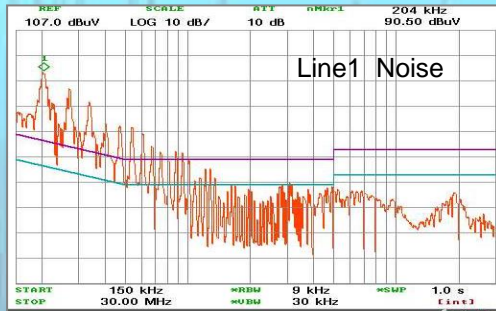
- **Upgraded capability covering wider frequency range ;**
 - Full range of Conducted ; up to 30MHz
 - major field of Radiated ; up to 300MHz
- **Set up the line**
 - Connect Signal Output of LISN to Input of EA-2100
 - Connect Output of EA-2100 to Input of spectrum analyser/EMI receiver
- **Operation**
 - Operating by push-button on front panel
 - Simply and Easy
 - Selecting the Measurement Modes ; Test and Analysis
 - Test Mode : measurement of L1 and L2
 - Analysis Mode : Differential and Common-mode
 - Selecting the Noise Modes ; L1, L2, DM, CM
 - LOW ; for Conducted range (9KHz ~ 30MHz)
 - HIGH ; for Radiated field (30MHz ~ 300MHz)



Control button & Display

EMI Analyzer

Noise Analysis

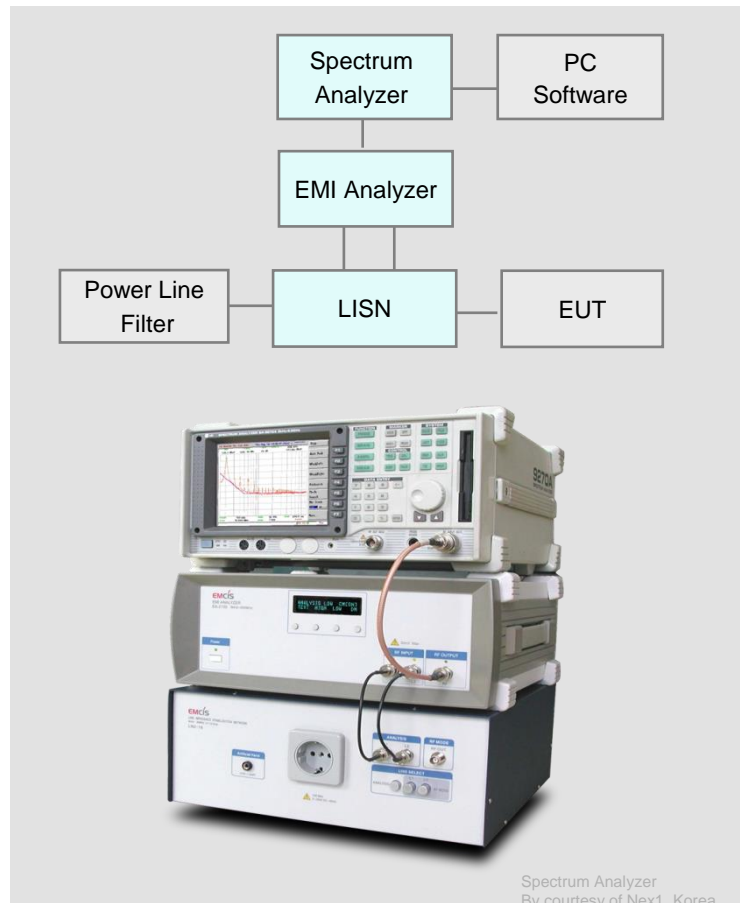


EA-2100

Specification

Frequency Range	: 9kHz ~ 300MHz
Mode : test mode	(Line 1, Line 2)
Analysis mode	(Differential , Common)
Signal loss	: 9kHz~30MHz (2dB max) : 30MHz~300MHz (3dB max)
CM/DM Separation	: 9kHz~30MHz (40dB Min) : 30MHz~300MHz (30dB Min)
Input sensitivity	: -97dBm (10dBuV)
Noise	: 10dBuV Max
Max RF Input	: 0dB attenuator (110dBuV)
Input dynamic range	: 100dB
Display	: Front panel VFD display
Front panel control	: 4 Button control
Input impedance	: 50ohm
Input connectors	: BNC 50Ω
Output connectors	: BNC 50Ω
Input Voltage	: 100V~ 240V 50/60Hz 10W
Dimension	: W365 xD330 x H150 (mm)
Weight:	: 6.6kg

System Configuration



Available from

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