

# Filter Test Kit

## FTK-01

### Primary Filter Design and Training



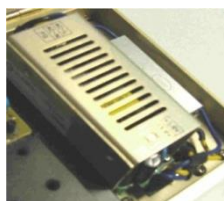
#### Key Features

- EUT installed for Test & Training
- Components Characteristics Test
- Primary Filter Design Training

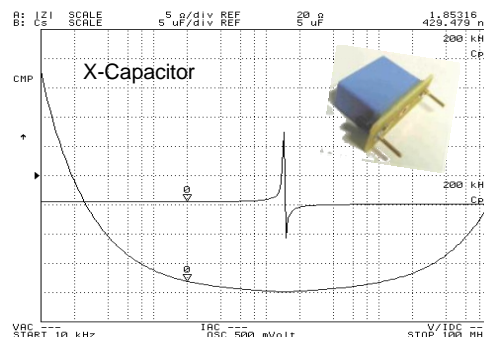
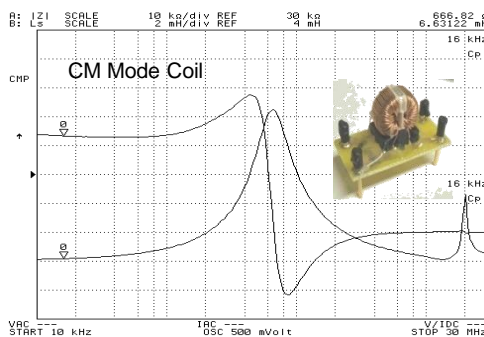
#### Specification

SMPS Voltage	220VAC, 1Ph, 60Hz
Rated Current	1A
Power Inlet	Power Code
Power Outlet	Terminal
Operation Temp.(°C)	.+5 ~ +40
Humidity(RH)	20% ~ 80%
Dimension(mm)	364W x 54H x 112D
Weight	1.8kg

#### Noise Source & Components



#### Supplied Graph of components



#### Recommended Accessories

Common-Mode Parts		Differential-Mode parts	
2mH	each 2pcs	0.1uF	each 3pcs
5mH		0.22uF	
8mH		0.47uF	
12mH		1.0uF	
18mH		3.3uF	
Short Bar		30uF	
2,200PF	each 3pcs	70uH	each 2pcs
4,700PF		100uH	
		Short Bar	

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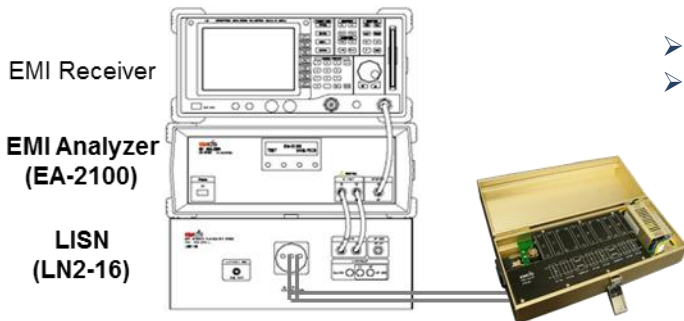
## FTK-05



### Primary Filter Design and Training

#### Application Guide

##### Stage 1. Measurement & Analysis



- Measure EMI Noise (Total Noise, L1, & L2)
- Analyze the noise as CM and DM through EMI Analyzer, EA-2100

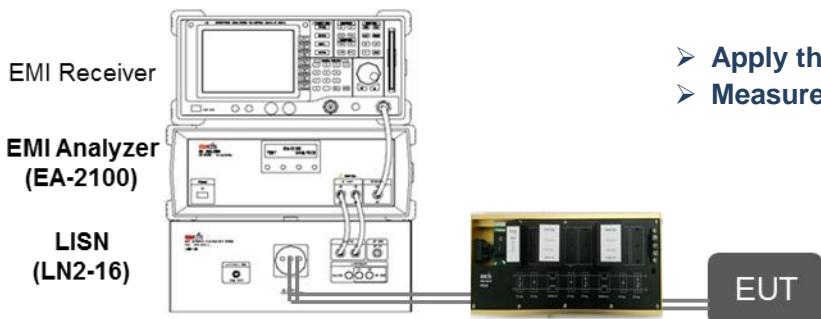
##### Stage 2. Component Selection

Based on the analyzed results /data, Select the proper components, CM & DM (from Components Kits)



Components Kit

##### Stage 3. Primary Filter Design & Trial



- Apply the selected components, CM and DM
- Measure the results through EMI Receiver