

CL55C Click Analyser

Datasheet



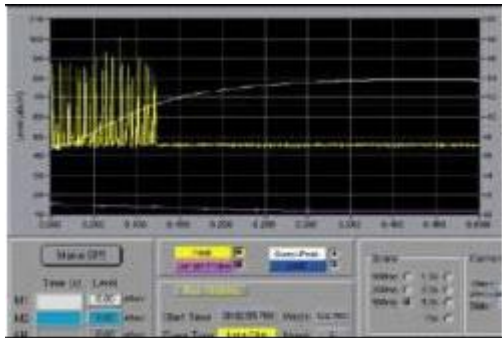

Introduction

For “clicks” - that is for interference emissions that exceed the recognized steady-state limits but for a very limited time - CISPR14-1 has been and is used as the basic standard for short-term emissions as well as a product standard. It is quoted as a basic reference in the generic standards IEC 61000-6-3 for residential and light industrial limits and IEC 61000-6-4 for industrial environments. Likewise it is referenced in product standard EN55103 for professional audio/video equipment. Such requirement is a time-consuming test that may take several hours per each phase of the EUT (Equipment under Test). Thanks to the independence and simultaneous operation of its channels, CL55C greatly reduces the test time required.

Analyse”

- ✓ Fast overview clicks analysis.
- ✓ Disturbance class selection (short clicks, long clicks, continuous), is available through the green, yellow, red boxes on the right side of the panel. Any mix of the desired selection, is allowed.
- ✓ The timescale can be adapted to the display requirement through the scale menu window.



<p>ZOOM “Analyse”, shows:</p> <ul style="list-style-type: none"> √ Click peak level curve √ Click quasi peak level curve √ Limit level √ EUT current <p>X and Y-axes shall be adjusted through appropriate commands on the right-low side.</p>	
<p>LELVEL “Analyse”, shows:</p> <ul style="list-style-type: none"> √ EUT switching operations √ Supply current √ Click event level 	

Technical Parameters	
No. of receivers	Four (up to eight can be available optionally)
Internal Receiver Tuned Frequencies	150 kHz, 500 kHz, 1.4 MHz, 30 MHz
Frequency Error	$<10 \times 10^{-6}$
Pulse Response	Peak and quasi-peak conforming to CISPR16-1
Impulse Generator	Built-in, CISPR16-1 compliant
RF Input	BNC(F), 50Ω
VSWR Input	<1 , 5:1
0dB Att:	<1 , 2:1
With Att:	
Max. Input	127dBμV
Built-in Attenuator	Manual 0-65 dB (5dB step)
Sensitivity	25 dBuV
Intermediate Frequency	455 KHz
RF Shielding	3 V/m
Noise Floor	$<25\text{dB}\mu\text{V}$
Test Time Limit	999 minutes
Display Measure Level	0-120 dBuV
Image Fre. Rejection	Typ. 85 dB
Displayed Level	0-120dBuV
Displayed Events	No. of click: short, long Discontinuous interference Elapsed test time No. of switching operations Continuous Disturbance Time Time Domain Test Report Graphic Editor
PC Requirements	IBM PC (Pentium or above, 16 RAM)
Interface	High speed parallel port
Power Supply, Consumption	110V/230V, 50/60Hz, 50VA
Operating Temperature, Storage Temperature	0~45℃, -20~70℃
Dimension (H*W*D, mm), Weight	136*450*436, 15 kg