

## KEC2030

### Features

- LED color and luminance intensity test
- Controlled from PC per Ethernet port
- Connect with Max. 64 LED Sensors
- Application software for Windows

### Application

- LED test on PCB functional test
- LED test on final production test.
- LCD back light test
- Amusement machine panel test
- Automobile meter panel, brake lamps,



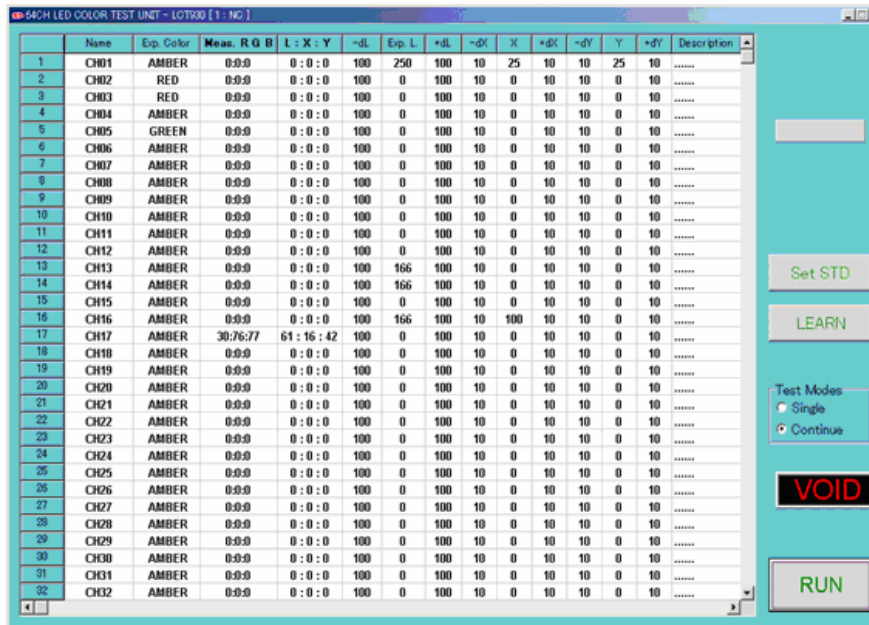
### Production Description

KEC2030 can connect Max. 64 single Color LED test probe KEC2100 series, and it is controlled from PC per Ethernet port, and test if the LED is lighted on at **right color** and proper **luminance level**. It is designed for functional test system to test printed circuit board.

The application software LCT930 can scan all of the 64 probe channel outputs, shows the RGB measurement values, and convert them into LXY values at color Chromaticity. The X, Y

values will exactly locate the color of the LED under test. For the automatic inspection, the tolerances for each channel can be edited, and PASS/FAIL decisions for each channel and overall are carried out after running the measurement. It is available to record the measurement RGB values and LXY values into a CSV format file.

For the customized application, we can supply the DLLs libraries for most of major software development environments.



Name	Exp. Color	Meas. RGB	L: X: Y	~dL	Exp. L	~dX	X	~dY	Y	Description				
1	CH01	AMBER	0:0:0	0:0:0	100	250	100	10	25	10	10	25	10	.....
2	CH02	RED	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
3	CH03	RED	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
4	CH04	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
5	CH05	GREEN	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
6	CH06	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
7	CH07	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
8	CH08	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
9	CH09	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
10	CH10	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
11	CH11	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
12	CH12	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
13	CH13	AMBER	0:0:0	0:0:0	100	166	100	10	0	10	10	0	10	.....
14	CH14	AMBER	0:0:0	0:0:0	100	166	100	10	0	10	10	0	10	.....
15	CH15	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
16	CH16	AMBER	0:0:0	0:0:0	100	166	100	10	100	10	10	0	10	.....
17	CH17	AMBER	30:76:77	61:16:42	100	0	100	10	0	10	10	0	10	.....
18	CH18	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
19	CH19	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
20	CH20	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
21	CH21	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
22	CH22	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
23	CH23	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
24	CH24	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
25	CH25	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
26	CH26	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
27	CH27	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
28	CH28	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
29	CH29	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
30	CH30	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
31	CH31	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....
32	CH32	AMBER	0:0:0	0:0:0	100	0	100	10	0	10	10	0	10	.....

## Specification

LED Color Test Unit    Model KEC2030			
Inputs	Channel	64 channels, 65 interface with KEC2100 probes	
	Measurement range	From 0V to 5V R,G,B respectively	
	Probe power supply	DC5V	
	Cables	64 pin flat cable 4 pcs	
Interface	Port	Ethernet port Using LAN cable	
Application Software	Application for Windows XP, or Windows2000 Show the RGB , and LXY (color space at chromaticity) Set the decision tolerance, make PASS/FAIL result for each channel and overall result Data log into CSV file		
Generals	Size	W203.2 D255 H128	
	Power	85V-260 50/60H	
	Temperature	Operating -10 to 60°C Storage -25 to 60°C	



For more information visit

[www.kectech.com](http://www.kectech.com)

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