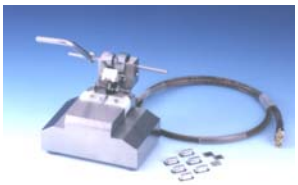
KH1120 / KH1240

PI - network Crystal Measurement System

- 2002 Hong Kong Award for Industry :
  CMA Machinery and Equipment Design Award


SMD Test Fixture


Supports Physical Load Capacitor

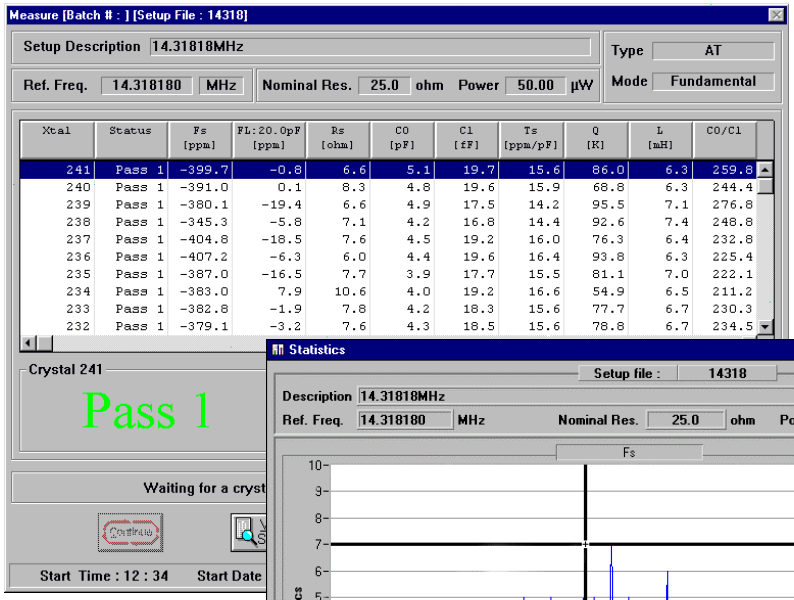
- *High Accuracy IEC444 PI-Network Measurement.*
- *Supports "Direct Impedance Measurement" and "Physical Load Capacitance" methods for FL measurement.*
- *Microsoft Windows® 95/98/Me operation.*
- *Full Network Analyser Configuration with built-in Frequency synthesizer and Vector-voltmeter.*
- Frequency Range : KH1120 : 1-120MHz
  KH1240 : 20KHz – 400KHz, 500KHz – 240MHz
- Drive Level : 10nW - 1mW into 25 Ohm.
- Measurement capabilities (more than 48 parameters): Fr, Fs, FL, Rr, Rs, RL, CL, C0, C1, L1, Q, Ts, C0/C1, DF1, DF2, FL1, FL2, DLD-F, DLD-R, DLD-γ (gamma : IEC444-6 standard), spurious scan.
- Automatic spurious response measurement.
- Automatic drive level dependence measurement.
- Extensible measurement head. Optional test fixture for SMD packages.
- Optional Test Fixture for Tuning Fork Crystal (For KH1240).
- *Microsoft Windows® operation allows high quality graph and report printout.*
- High speed PASS/FAIL measurement and sorting upto 5 bins (sorting results displayed on screen).
- All sorting limits of each bins are individually programmable by operator.
- User friendly system operation including menu driven, mouse operation and easy system calibration.
- Flexible data storage and printing features.
- Optional multi-language operating software for using in different countries (Chinese, English, and more ...).
- *External time base interface.*
- Repeatability : Fs $\leq$ $\pm$ Time base error $\pm$1 ppm.
  FL $\leq$ $\pm$ Time base error $\pm$1 ppm $\pm$ (0.2pF $\times$ Ts of crystal).
  Rs $\leq$ $\pm$ 8% $\pm$1Ω.
- Time Base error : exfactory calibration $\leq$ 1 ppm
  aging for 1st year $\leq$ 2 ppm
  aging for 2nd year and thereafter $\leq$ 1 ppm
- Calibration Method : 3 terms (open, short and load) calibration with standard resistor (provided with system).
- Requirements on IBM™ PC compatible computer supplied by user :

  Minimum Pentium III 300MHz, 3.25" floppy, 64MB RAM, 20M hard disk space, Windows® 95, mouse, 800 x 600 SVGA display adaptor (**Pentium III 800MHz or better with Windows 98 is strongly recommended for optimum performance**).

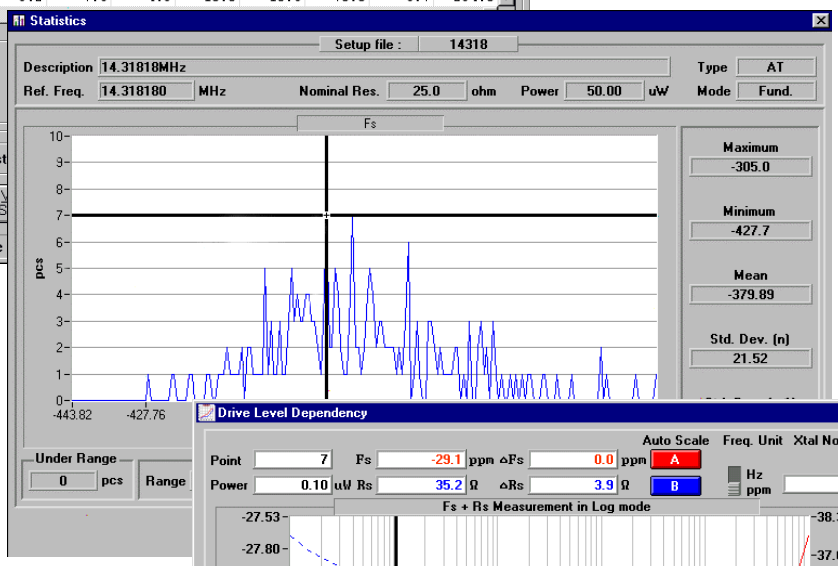
  Full size PCI slot with +3V and +5V is required

Kolinker Industrial Equipments Limited
Unit H-I, 22/F, Shield Industrial Centre, 84 - 92 Chai Wan Kok Street, Tsuen Wan, New Territories, Hong Kong.
Phone : (852) 2412 0121 E-mail : kolinker@kolinker.com
Fax : (852) 2498 5908 Home page : http://www.kolinker.com

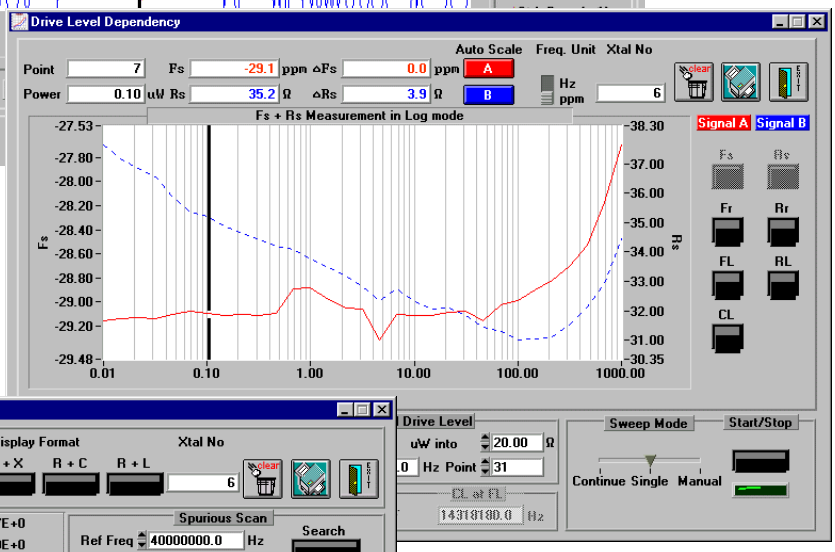
GRAPHICAL DISPLAY FORMAT



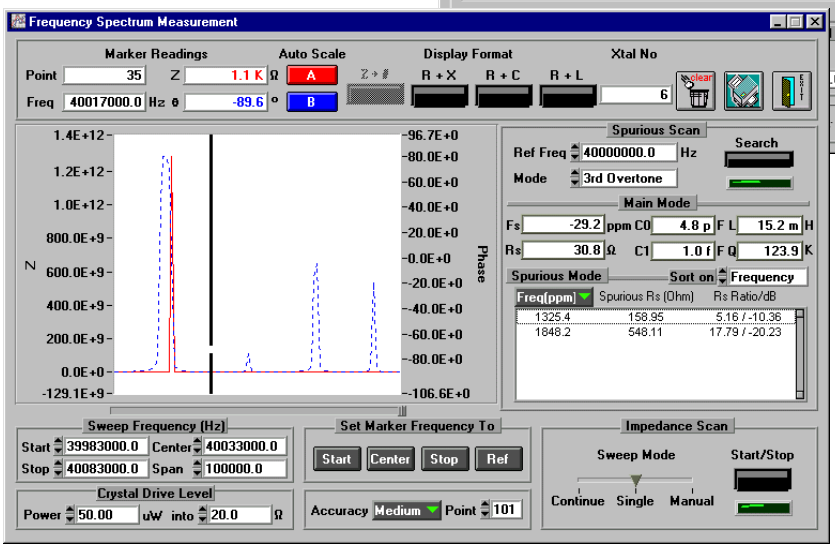
QC Measurement



Statistical Graph



Drive Level Dependency (DLD)



Spurious Response Scanning

Agent :

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Fax : (852) 2498 5908 Home page : http://www.kolinker.com