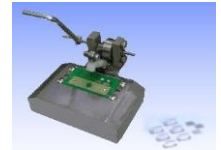


# KH1800 / KH1820

## Network Analyzer



[SMD Test Fixture](#)



[Supports Physical Load Capacitor](#)



[Universal SMD Adapter Kit](#)



[Tuning Fork Test Fixture](#)

- High Accuracy IEC60444-5 & IEC60444-6 PI-Network Measurement.
- Supports "Direct Impedance Measurement" and "Physical Load Capacitance" methods for FL measurement.
- Full Network Analyzer Configuration with built-in Frequency synthesizer and Vector-voltmeter.
- Supports two types of user interface for production mode and engineering mode Production
- Ultra high-speed spurious scan & drive level dependence (DLD) measurement.
- High speed PASS/FAIL measurement and sorting up to 5 bins (sorting results displayed on screen).
- All sorting limits of each bin are individually programmable by operator.
- Flexible data storage (Supports data storage in Excel worksheet format) and printing features.
- Support multilingual: simplified Chinese, traditional Chinese and English.
- Optional Test Fixture for Tuning Fork Crystal, SMD crystal etc.
- Optional connectivity with third party automatic machines: Hardware I/O control mode or software remote control mode are available for interfacing the KH1800 with any automatic machines.
- External time base interface.
- Frequency Range: KH1800 : 1-120MHz  
KH1820 : 20KHz – 400KHz, 500KHz – 240MHz
- Drive Level: 1nW - 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- $\gamma$  (gamma: IEC444-6 standard), spurious scan.
- Repeatability :  $F_s \leq \pm$  Time base error  $\pm 1$  ppm.  
 $FL \leq \pm$  Time base error  $\pm 1$  ppm  $\pm (0.2pF \times T_s$  of crystal).  
 $R_s \leq \pm 8\% \pm 1\Omega$ .
- Time Base error : ex-factory 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 for a personal computer supplied by user:

For optimum performance, the following configuration is recommended: Intel Core 2 Duo E4500 2.2GHz with 1G RAM, USB, PCI slot, **PCI bus (for full size card) with +3.3V and +5V power is essential**, Microsoft Windows® XP /Windows 7/ Win10 (32/64 Bits)



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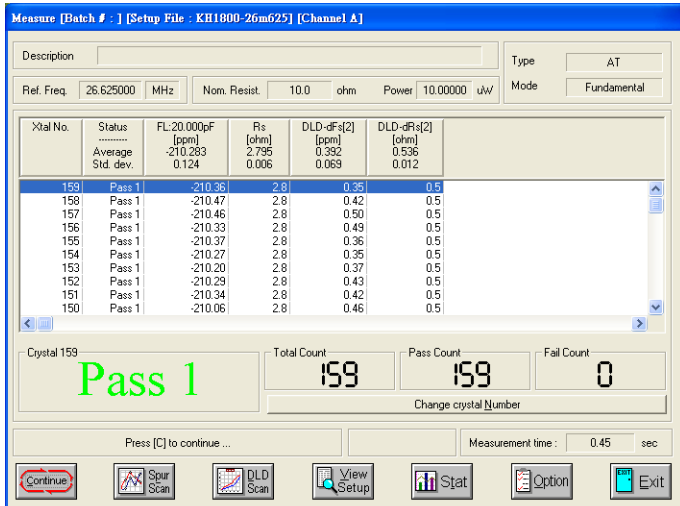
Fax: (852) 35112300

E-mail: [kolinker@kolinker.com](mailto:kolinker@kolinker.com) Home page: <https://www.kolinker.com>

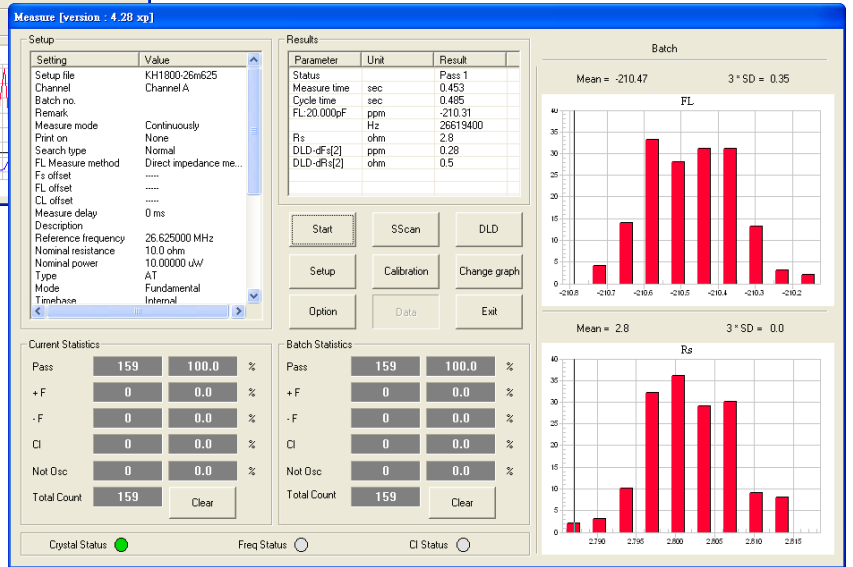


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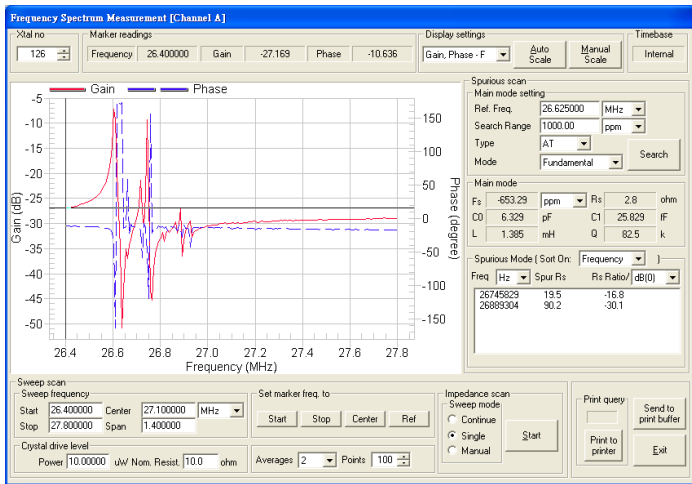
# GRAPHICAL DISPLAY FORMAT



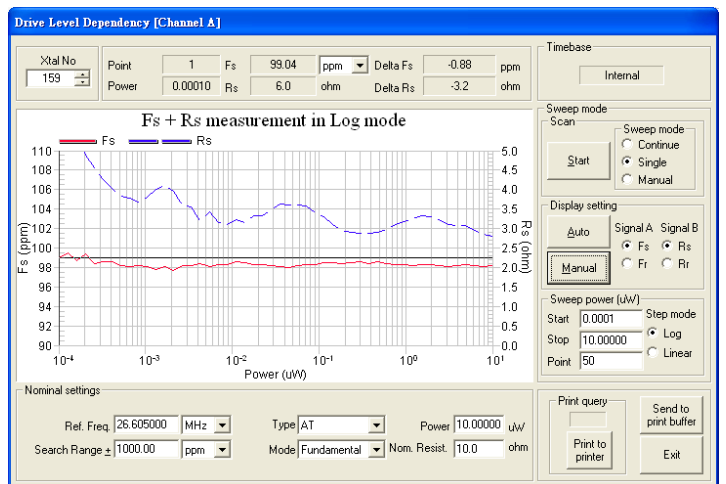
Engineering Mode



Production mode



Spurious Response Scanning



Drive Level Dependence (DLD)

Specifications are subject to change without prior notice.  
 Photo shown is for reference only.  
 Windows is a registered trademark of Microsoft Corp.



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