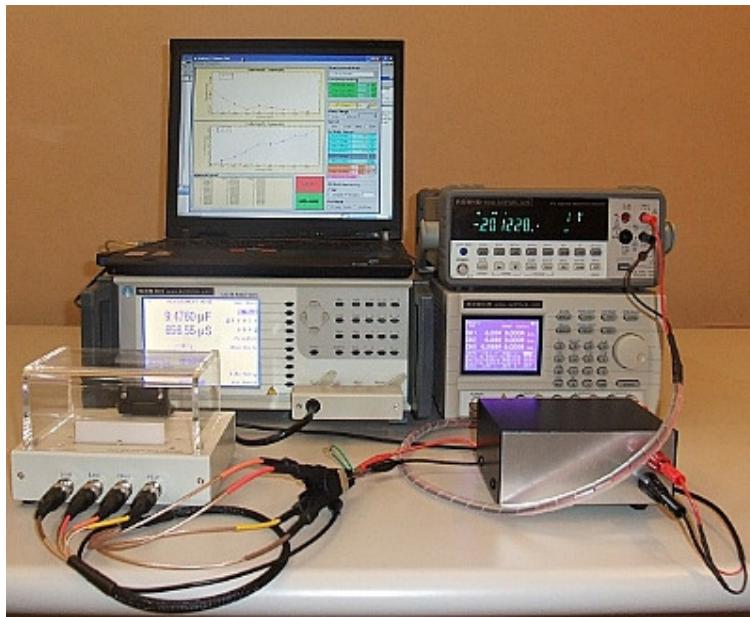


Low Cost C-V Measurement System

低成本電容電壓量測系統



本系統檢測半導體或電子元件，其真正在元件端的電壓電容，或頻率電容特性，以便使用者進一步分析元件特性。

The low cost effective C-V system measures the real Capacitance-Voltage or Capacitance-Frequency characterization at device side, so as for further analysis by user.

系統特色如下：

The system characteristics:

1. 20Hz~1MHz 測試頻率(可進行頻率電容量測)

20Hz~1MHz test frequency (able to proceed Capacitance-Frequency measurement)

2. 0.01pf~1f 電容量測範圍

0.01pf~1f Capacitance measurement range

3. -30V~30V (@ 10mV 解析)電壓掃瞄範圍

-30V~30V Voltage sweep range with 10mV resolution

4. 自動開關控制正負電壓電流的輸出量測

Auto switch control for Positive or Negative Voltage polarity output without changing the connections.

5. 量取元件端真正產生的電壓降，增加電容量測的精確度，高精度電壓量測 0.0035%

DC bias monitoring for real voltage drop on the device, so as for accurate capacitance measurement. High DCV measurement without bias accuracy of 0.0035%.

6. 軟體控制量測模式的選擇(例如：電容電壓量測，或電容頻率量測)、掃描操作設定，與量測相關參數設定(例如：數位濾波、量測速度、檔位...)，以精確萃取量測結果。而量測資料、圖形即時顯示，資料以 Excel 格式存取，以利後續客戶端資料處理。

Software control for measurement mode selection (eg. C-V or C-F measurement), sweep operation settings, and measurement related condition settings (eg. Filter, range, speed, etc.), so as for accurate data extraction. Measured data storage and in-line plot display functions are also available.

