WHALETEQ

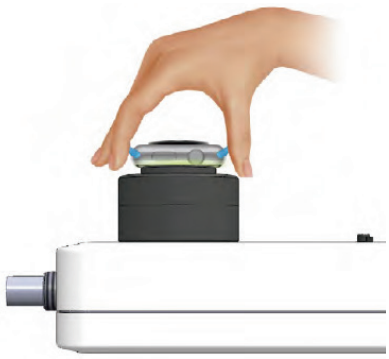
Test Solutions for
Medical Device Manufacturers

HRS100+

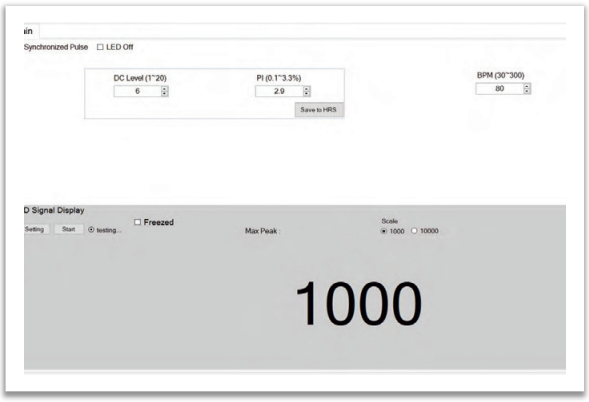
PPG 心率模擬器

有效驗證穿戴式裝置心率功能準確度

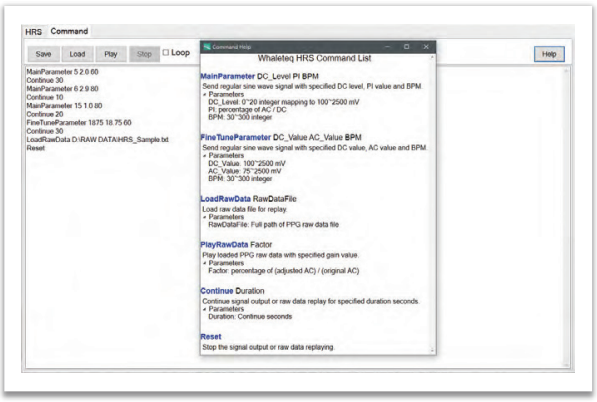
- 內建 LED 發送 PPG 光學訊號，PPG 光學訊號參數可調整，模擬不同膚色反射訊號
- 內建 Photodiode, 偵測待測物 LED 行為和亮度
- 心率 BPM、反射亮度 DC、動脈血管變化量 AC 及 PI (AC / DC) 灌注指數等參數可調整
- 命令模式允許快速及重複的執行測試
- 提供軟體開發套件 (Software Development Kit)，用戶可自行開發客制或全自動化測試軟體



驗證及確效心率準確度的絕佳測試工具



DC、PI 及 BPM 參數可調整，可快速偵測 DUT LED 最大亮度



簡單易用的命令模式可快速建立測試項目序列

HRS100+ 規格

Parameters	Supported range / types	Accuracy
BPM	30 ~ 300BPM (PC Software); 30 ~ 240BPM (Standalone Usage)	±1BPM
DC	1 ~ 20Level	N/A
PI	0.1% ~ 20% (AC/DC, differs with DC level)	N/A
Lumen	50 ~ 800Lux （5mm from diffusion film）	±3%
Light Wavelength	525nm	±10nm
PD Sampling Rate	<8ksps（Normal Mode of PC Software） 30ksps（High Resolution Mode of PC software）	±5μS
S/N Ratio	>51dB (with USB isolator)	N/A
Power - USB - Battery	Type B AAA Battery x 3	N/A N/A
Size (W x H x D)	13.5cm x 7.6cm x 6.12cm	N/A
Temperature	10°C ~ 40°C	N/A

www.whaleteq.com
service@whaleteq.com
8F., No. 125 Songjiang Rd., Zhongshan Dist., Taipei City 104474, Taiwan
+886-2-2517-6255
+886-2-2596-0702