

One-Stop Solution

Comprehensive Smartwatch Performance Testing Package

Provides customized fixture to achieve precise test results, verifying heart rate, ECG, PPG, PWTT, and SpO₂ functions with simple and user-friendly software.



Simulator & PPG Module

- ① **AECG100** Multifunction Simulator
- ② **PPG Module** for Heart Rate and SpO₂ Optical Testing Module

Customized Fixtures

- ③ Optical Fixture x 1
- ④ PCBA

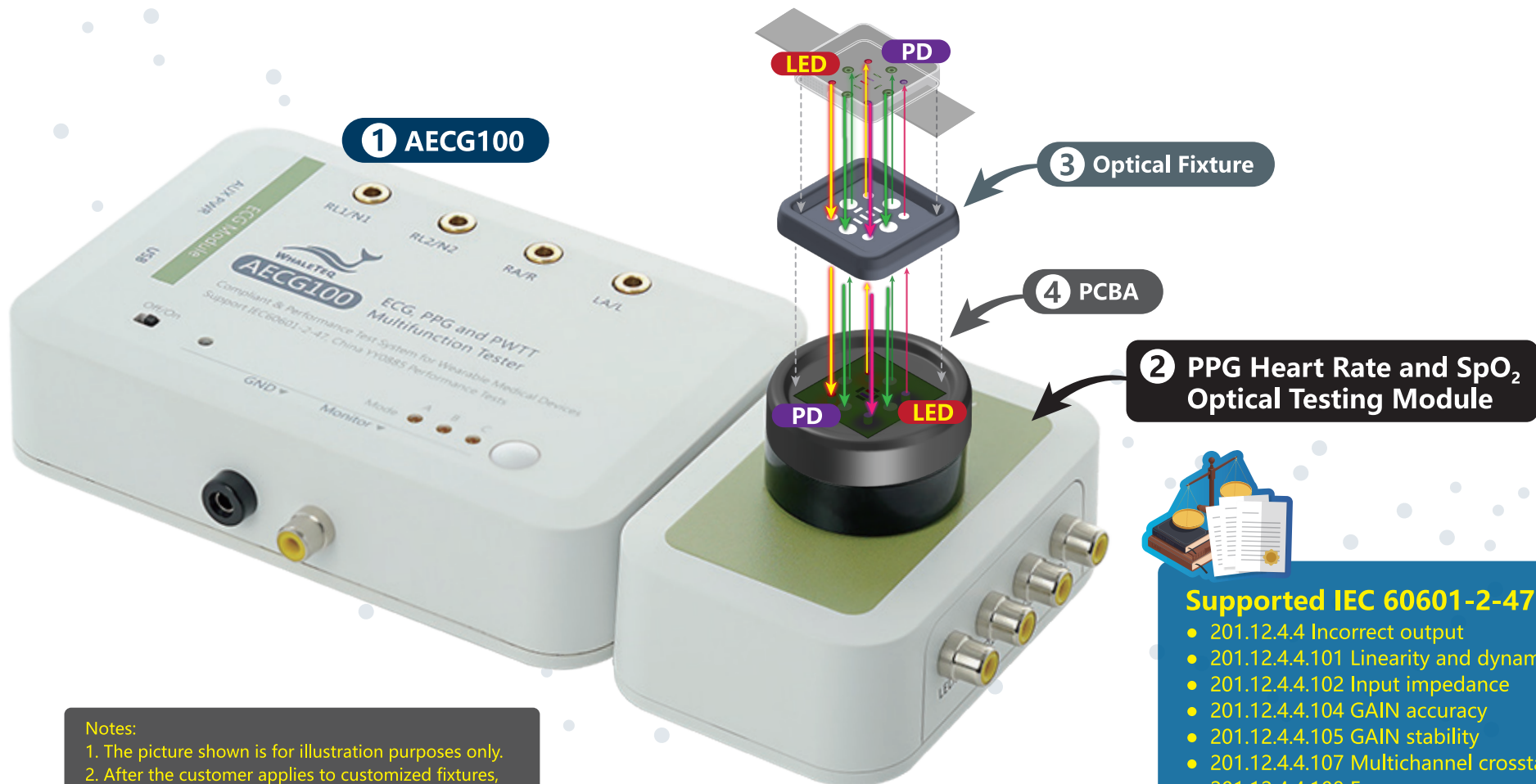
Training & Service

- Main System Operation Training (2 hours)
- Testing Consultation (1 hours)

Optional Items • C3R3 3-Year Calibration Service and Warranty Extension

AECG100 Installation- Smartwatch Verification

The innovative simulator to output ECG and PPG analog signals simultaneously.
Adjustable time difference parameters to generate various Pulse Wave Transit Time (PWTT) signals.



Notes:

1. The picture shown is for illustration purposes only.
2. After the customer applies to customized fixtures, WhaleTeq will evaluate the design of DUT to confirm whether it can be undertaken.

Supported IEC 60601-2-47 Test Clause

- 201.12.4.4 Incorrect output
- 201.12.4.4.101 Linearity and dynamic range
- 201.12.4.4.102 Input impedance
- 201.12.4.4.104 GAIN accuracy
- 201.12.4.4.105 GAIN stability
- 201.12.4.4.107 Multichannel crosstalk
- 201.12.4.4.108 Frequency response
- 201.12.4.4.109 Function in the presence of pacemaker pulses
- 201.12.4.4.110 Timing accuracy
- 201.12.4.4.112 Temporal alignment