

2. PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the Radar/Laser Detector WT-1030 of WILLTRONICS. Co., Ltd.
Please refer to Users manual

2.2 General Specification

- Chassis Type : Plastic Cover
- List of Each OSC. Or X-Tal. Freq. (≥ 1 MHz) : X-TAL – 12.0MHz
- Chipset Brand & Part No. IC OTP : S3P8475XZZ-QZR5(SAMSUNG ELECT)
IC : BA10324AF/ROHM (ROHM) , IC : DKB4111S(DAE KWANG ELEC)
IC SMD : KIA78L05F(KEC), IC SMD: MC74HC02ADR2(MOTOROLA)
IC : 24LC02BT/SN (MICROCHIP/ATMEL) , IC : KIA7045F(KEC)
IC : MC7808CT (MOTOROLA) , IC: HMC1022 (HONEYWELL) ,IC : LMV324MTX(NATIONAL)
IC : LMV321M5X(NATIONAL) , IC SMD KIA78L05F(KEC)

- Number of Layers : Main board – 2Layers

• General

Dimensions:	65mm(W) x 118mm(L) x 32mm(H)
Weight:	148 g
Power Requirement:	12- 15V DC
Temperature Range:	Operating -20 ° C to +80 ° C Storage -40 ° C to +100 ° C

• Laser Detector

Receiver Type	Pulse Laser Signal Receiver
Sensor Front End	Convex Condenser Lens
Detector Type	Pulse Width Discriminator
Receiver Bandwidth	30 MHz
Spectral Response	800- 1100 nm

• Radar Detector

Receiver Type	Double Conversion Superheterodyne
Detector Type	Scanning Frequency Discriminator
Antenna Type	Linear Polarization
Frequency of Operation	10.525 GHz $\pm$ 50 MHz (X Band) 24.150 GHz $\pm$ 100 MHz (K Band) 34.700 GHz $\pm$ 1300 MHz (Ka Band)