JILONG
Since 1993

Cable & Antenna Analyzer

KL1000



- Ultra-wide Frequency Range (2 MHz – 4.8/6.8 GHz)
- 10.1" Full-Touch LCD
- Built-in Electronic Calibration
- Built-in Terminating Power Meter
- OPM and VFL (Optional)
- 10Ah battery, 8-hour runtime

Ultra-wideband Coverage 2MHz-4.8/6.8GHz

The KL1000 Cable & Antenna Analyzer covers a frequency range from 2 MHz to 4.8/6.8 GHz. It has the testing functions for parameters such as cable loss , VSWR, and return loss. It can use the DTF-VSWR(Distance Fault Location - Standing Wave Ratio) or DTF-RL(Distance Fault Location - Return Loss) function to locate minor issues, thereby eliminating the potential hazards of cable faults.




Telecom Operators


Broadcast & TV


Defense & Military


Satellite Communications

10.1" Full-Touch LCD

Crisp and readable even in direct sunlight



8-Hour Extended Battery Life

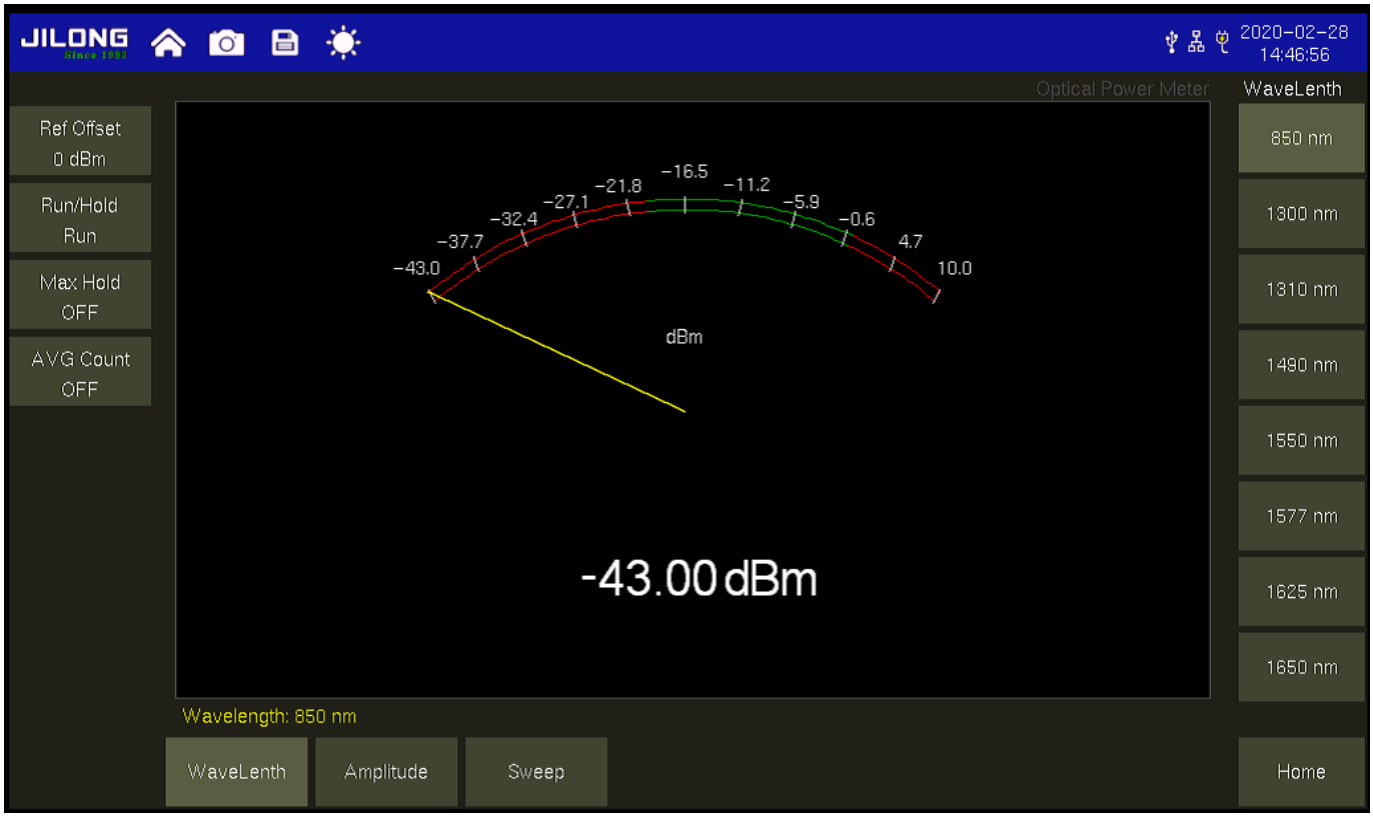
All-day monitoring, built for field work



Built-in Electronic Calibration (E-Cal)

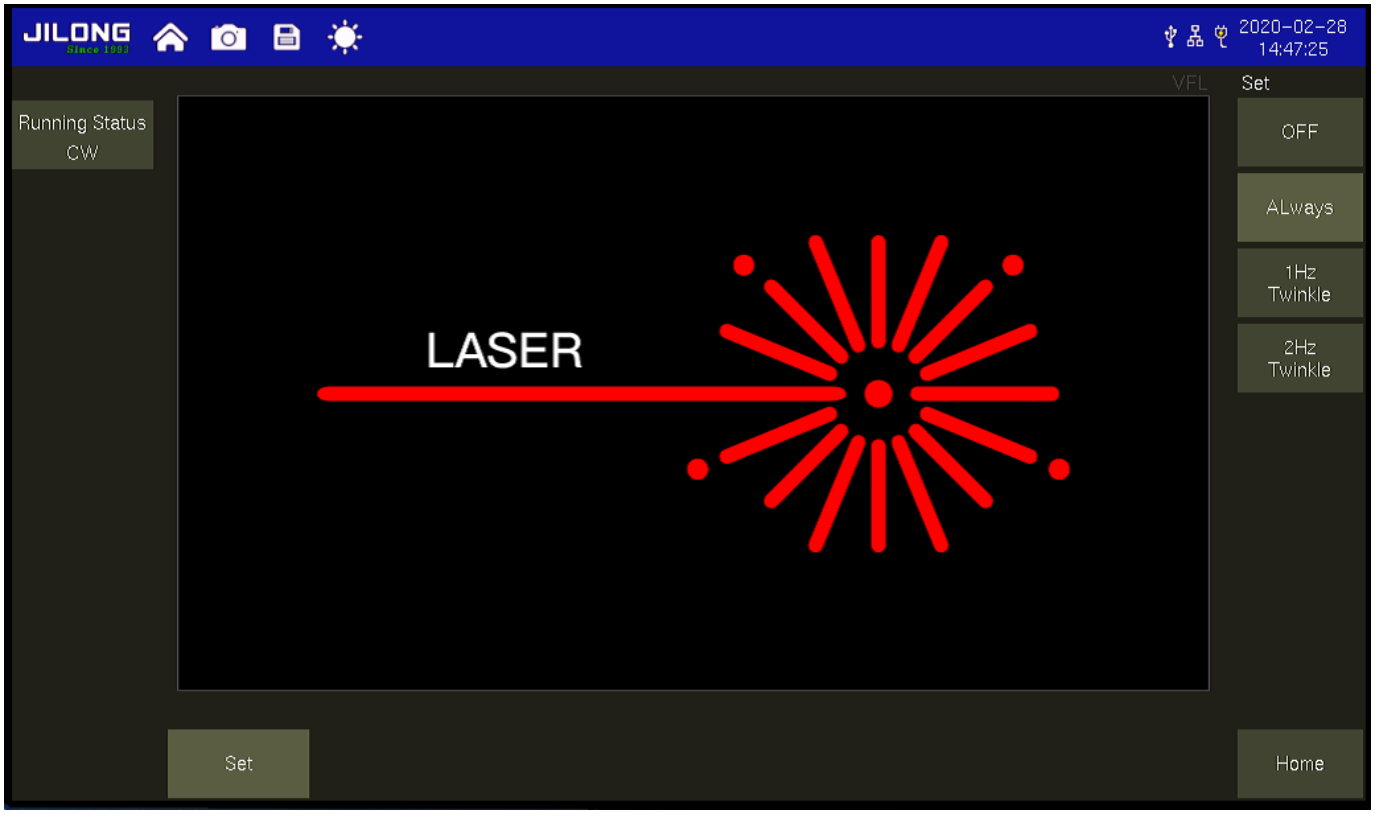


OPM & VFL Optical Test Functions



OPM Optical Power Meter

Measures optical power (dBm); ideal for fiber-direct base stations



VFL Visual Fault Locator

650 nm red light pinpoints breaks and macrobends for fast fiber-link health checks

Built-in RF Power Meter

Inline RF Power Meter (optional)

Built-in power detection: measure RF power directly without external hardware.



Standard Configuration

KL1000 main unit	×1
10 Ah Li-ion battery (BTR-105F)	×1
Power adapter (12 V, 5 A, 60 W)	×1
Carrying case	×1
Mechanical calibration kit KL1000-OSLM / KL1000-OSLF (optional)	×1
QC Certificate of Conformity	×1
1.5 m coaxial test cable	×1
1.5 m Ethernet (RJ45) cable	×1
Quick Start Guide	×1
JILONG product brochure	×1
Vehicle (cigarette-lighter) power cable	×1



Specifications

FREQ range	2M-4.8/6.8GHz
Resolution	100Hz
Accuracy	≤±5ppm@-10~50℃
Sweep speed	≤1msec/point
Points	130, 259, 517,1033,2065
Direction	42dB
VSWR	1.00~65.00
Return loss	0.00~60.00dB
DTFdistance	1500m
Cable loss	0.00~30.00dB
Traces	>2000 pieces
Graph files	>2,000 pieces
Save mode	Host and USB
CAL files	>2000 point
Quick CAL	Available
DISP traces	4
markers	8
Battery	8h
CH@1MHz	+20dBm
FREQ@10kHz	+13dBm
Built-in PowerMeter	-33dBm~20dBm（20MHz~4.8GHz）; -30dBm~20dBm（20MHz~6GHz）
Inline PowerMeter	2G/3G/4G 0.1W~150W
Optical Microscope	Yes
Optical PM and VFL	Yes
GPS	Yes
LCD Screen	10.1 inches Touch screen
Daylight viewable	Yes
language	Chinese, English
LAN port	Yes
USB port	Yes
Dimesion （mm）	325H x 241W x 85D mm (including rubber bumper)
Weight (kg)	3kg without battery / 3.3kg with battery
Operation	-10℃ ~ +55℃
Storge	-40℃~+80℃
Humidity	95%
Battery capacity	10Ah lithium battery
Power supply	DC Input 12V

★① The results obtained through measurement under room temperature conditions are largely influenced by the operating environment.

Contact us

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