AITELONG

INSTRUMENTS & ENGINEERING

ABOUT
AITELONG

Who we are

AITELONG is not only a sub-brand of GUANGGU INC. which has already become a public company (Stock Code:870113), but also a team consisted of conscientious and inspirational staffs. It serves as the premium solution-provider of diversified testing instruments and backup power management system over 13 years, for which favor client's acquisition and accomplishment of relevant projects profitably. Everything Aitelong do is oriented to client's needs, our holistic mission and explicit implementation based on solving clients' problems and extending their business filed.

What we do

AITELONG test equipment is applied for optic communication and backup power project installation, testing, maintenance and other industry.
Typical application including:
Testing instruments: verify, test, certify and repair fiber optic systems in telecom, FTTH, Datacom, defense and so on.
Backup power management system: telecom operators, power plant system, communication network, coal oil, financial system, transportation system, public security system, mining industrial etc.

Why choose AITELONG

Commitment to quality: Quality is our top priority. Aitelong attached much more importance on quality and the corporation principle demonstrates this concept best.
R&D ability: AITELONG strives to be industry exemplar and we integrated R&D academia strength and enterprise institutional support to enhance the effective cooperation and efficient coalition between industry and universities.
High cost-efficient: our area of enterprise always seeks to the maximum performance with minimum cost.
After-sale service: You focus on product, we do the rest. The 24/7/365 concierge-level professional services is meant to offer you care-free ordering experience.
Global reputation: Prior demonstrated success witnessed our proven history, with Aitelong footprint treating tons of countries, stepping 5 continents.

SAT-17T
Optical Fusion Splicer

◇ Ultra-low Splice loss
◇ Mirror Less Design
◇ Low weight, less than 2Kg with battery and bumper
◇ Full automatic heater
◇ 9 sec splicing (7S fast mode)
◇ 7800mAH large Li battery pack
◇ Compatible with bare fiber, tail fiber and indoor cable
◇ Wind protect, dust-proof, water-proof

Specifications

Applicable Fibers	SM (single mode), MM (multi-mode), DS(dispersion), NZDS (non-zero dispersion),EDF(Erbium-doped fiber)
Average Loss	0.02dB(SM), 0.01dB(MM), 0.04dB(DS),0.04dB(NZDS), 0.02dB (BIF/UBIF)
Return Loss	Better than 60dB
Typical Splicing Time	9s / 7s (fast mode)
Fiber Aligning	Core alignment and cladding alignment
Fiber Diameter	Cladding diameter:80~150μm Coating diameter:100~1000μm
Magnification	X or Y, magnify 360X X + Y, magnify 180X
Image display	High-performance 4.3 inch LCD
Tensile test	Standard 2N
Splicing Mode	100 (10 factory pre-defined)
Heating Mode	100 (4 factory pre-defined)
Battery capacity	7800mAH, 86.58WH 300 times (splicing and heating) Charging time: about 3h (can be used while charging)
Battery life	1000 charging cycles
Electrode life	Typical 3,000 times, and replaceable
External interface	Mini USB
Result record	Maxmium10000 results
Heater Function	Automatic, support user defined heating mode, 0℃ ~ 300℃ adjustable
Power supply	Built-in lithium battery: 11.1V AC/DC adapter input: AC 100-240V Output: DC 13.5V / 5.0A
Working environment	Temperature: -20℃ ~ +55℃ (-4℉~131℉) Humidity: 95% RH (40℃ non-condensing) Altitude: 0~5000m
Dimensions	L×W×H=166×146×159 (mm)
Weight	1.6kg (without battery), 2.0kg (with battery)

SAT-17S
Fusion splicer

The most affordable full function productivity tool for your FTTX projects.

- ◇ One key fast automatic splicing
- ◇ 9s splicing and 28s heating
- ◇ 300x magnification
- ◇ 3.7"High resolution color LCD
- ◇ Up to 5000 splicing results storage
- ◇ 6-direction 30 inch drop proof
- ◇ USB port can connect PC for store splicing results

◇ Interchangeable universal holder with SC compatible

◇ Brand new V groove design to make a faster and easier operation

◇ 6 motors 3 axle alignment provide a high class performance

◇ Easy-to-use GUI come with 3.7" high resolution LCD screen

◇ Multi-function Car Charger can charge splicer and your digital device at the same time

◇ 7800mAh high capacity replaceable battery to extend your productivity
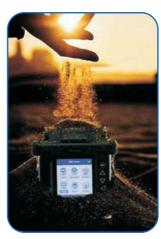
Specifications

Applicable Fibers	SM / MM / DS / NZDS / BIF & UBIF (G.657)
Average Loss	0.02dB(SM) / 0.01dB(MM) / 0.04dB(DS) / 0.04dB(NZDS) / 0.02dB(G.657)
Return Loss	>60dB
Operation Methods	Auto, Manual
Typical Splicing Time	9s
Typical Heating Time	28s
Fiber Alignment	Core Alignment / Clad Alignment
Fiber Diameter	Cladding: 80~150 μm / Coating: 100~1000 μm
Cutting Length	8~16mm(Fiber diameter: <250μm) / 16mm(Fiber diameter: 250~1000μm)
Magnification	X or Y: 300X / X + Y: 150X
LCD Display	High performance 3.7 inch. TFT LCD / 640×480 resolution
Tension Test	2N
Applicable Sleeve	60mm / 40mm / 20mm or etc.
Battery Capacity	Average:200 cycles (Splicing and Heating) Charging time: 3 hours
Battery Life Cycle	300~500 charge / discharge cycles
Electrode Life Cycle	Typical 3000 times
Power	Removable battery : 11.1V 7800mAH AC/DC adapter: input：AC100~240V output：DC13.5V/5.0A
Working Environments	Temp: -10℃~+50℃ / 14℉~122℉ Humidity: 95%RH (40℃ / 104℉, non-condensing) Elevation: 0~5000M
Dimension	L×W×H=135×160×150(mm)
Weight	1.8 KGs (without battery), 2.3 KGs (with battery)

◇ Reliability and durable design, shockproof, dustproof, waterproof

AITELONG A DIVISION OF **GUANGGU INC.**