



FB18 MULTIFUNCTIONAL TEST SYSTEM

CABLE FAULT TESTER



IT CAN SOLVE THE POWER CABLE FAULT BELOW 35KV
AUTOMATIC FAULT LOCATION DISTANCE FAULT LOCATION IS
SIMPLE AND EASY



FAULT LOCATION UNIT

THE CABLE FAULT LOCATION HOST ADOPTS AN 8-INCH COLOR LCD TOUCH SCREEN, WHICH IS SIMPLE TO OPERATE AND EASY TO INTERPRET THE WAVEFORM. AT THE SAME TIME, THE FAULT LOCATION SYSTEM CAN AUTOMATICALLY LOCATE THE FAULT DISTANCE, AND THE FAULT LOCATION IS SIMPLE AND EASY

FAULT POINT UNIT

THE PRECISE LOCATOR EQUIPPED WITH THE INTELLIGENT LOCATOR SYSTEM HAS MANY FUNCTIONS SUCH AS ACOUSTIC WAVE AND ELECTROMAGNETIC WAVE DIGITAL SIZE DISPLAY, FAULT POINT DISTANCE WARNING, PATH MONITORING, FREQUENCY BAND SELECTION, STORAGE AND SO ON. AT THE SAME TIME, IT IS EQUIPPED WITH A NOISE-PREVENTING PICKUP PROBE AND A HIGH-RESISTANCE MILITARY HEADSET, SO THAT IT HAS A STRONG ANTI-INTERFERENCE ABILITY AND GREATLY REDUCES THE HUMAN EXPERIENCE FACTOR.

PATHFINDING AND IDENTIFICATION UNIT

THE CABLE PATH FINDER USES FULL DIGITAL ELECTROMAGNETIC INDUCTION TECHNOLOGY, WHICH CAN EASILY SOLVE THE PROBLEM OF RUNNING OR NON-RUNNING CABLE DIRECTION AND IDENTIFICATION, ESPECIALLY TO SOLVE THE PROBLEM OF METALLIC DEAD SHORT CIRCUIT FAULT THAT COULD NOT BE SOLVED IN THE PAST.

HIGH VOLTAGE SIGNAL UNIT

WITH THE BATTERY INTEGRATED HIGH-VOLTAGE SIGNAL GENERATOR CABLE FAULT PREDETERMINED PART OF THE ENERGY SUPPLY, TO PROVIDE HIGH-VOLTAGE HIGH-ENERGY ELECTRICAL PULSES. THE HIGH VOLTAGE SOURCE OF THE SYSTEM IS THE TRADITIONAL CONTROL BOX, BOOSTER, PULSE CAPACITOR DISCHARGE BALL GAP, DISCHARGE ROD, DIGITAL PROCESSING WITH INDUSTRIAL CONTROL TECHNOLOGY, SCIENTIFIC INTEGRATION AS A WHOLE, TO ACHIEVE THE TRUE SENSE OF INTEGRATION.

MORE USEFUL THAN YOU THINK

APPLICABLE TO A VARIETY OF SCENARIOS, MORE APPLICATIONS, WAITING FOR YOU TO UNLOCK!



STREET LAMP CABLE
MAINTENANCE



FARMLAND IRRIGATED LAND CABLE FAULT
INSPECTION AND REPAIR



RESIDENTIAL AND GARDEN
GREEN BELT CABLE



FIELD POWER CABLE



HIGHWAY CABLE



FACTORY AND MINING
ENTERPRISE CABLE

THE MEASUREMENT METHOD IS SIMPLE AND FAST

RANGE UNIT

CJ56 CABLE FAULT RANGING HOST



SAMPLING BOX

RECHARGER

RANGE MASTER

CONNECTING LINE

SAMPLING LINE



FB18
电缆故障测试仪 (主机)
青岛一卓光电科技有限公司

FUNCTION AND CHARACTERISTICS

Function and Characteristic



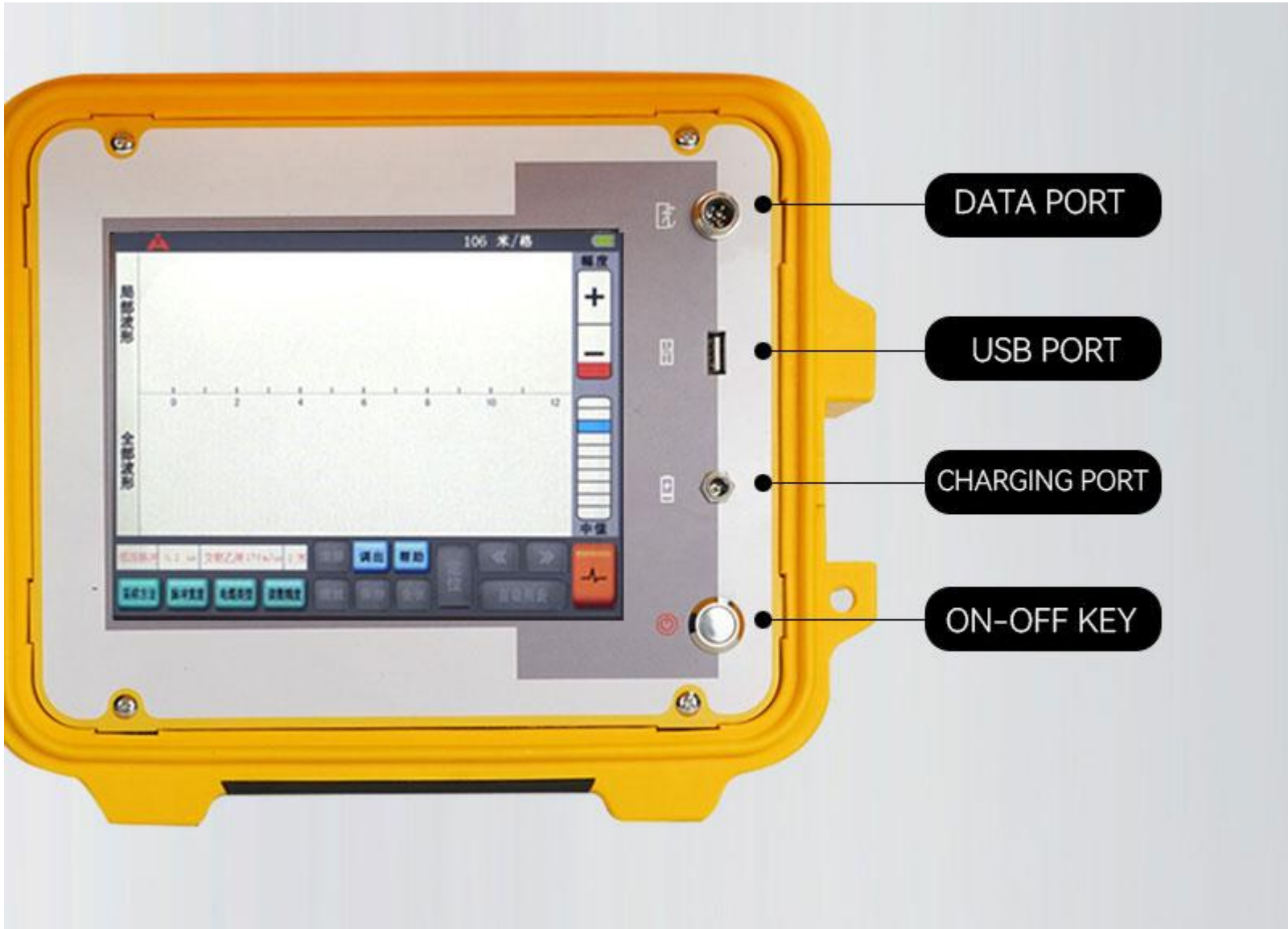
- TIPS 01** / IT CAN MEASURE THE HIGH AND LOW RESISTANCE FAULTS OF ALL CABLES BELOW 35KV, AND HAS A WIDE RANGE OF ADAPTABILITY
- TIPS 02** / FEATURES USER-FRIENDLY SOFTWARE AND AN ALL-CHINESE MENU. THE KEY DEFINITION IS SIMPLE AND CLEAR. THE MEASUREMENT METHOD IS SIMPLE AND FAST.
- TIPS 03** / THE SUCCESS RATE OF FAULT DETECTION, TEST ACCURACY AND TEST CONVENIENCE ARE BETTER THAN ANY OTHER DOMESTIC TESTING EQUIPMENT.
- TIPS 04** / 8 INCH COLOR LIQUID TOUCH SCREEN AS A DISPLAY TERMINAL, THE INSTRUMENT HAS A STRONG DATA PROCESSING ABILITY AND FRIENDLY DISPLAY INTERFACE.

TIPS 05 / WITH EXTREMELY SAFE SAMPLING HIGH VOLTAGE PROTECTION MEASURES. THE TEST INSTRUMENT WILL NOT CRASH OR BE DAMAGED IN SHOCK HIGH-PRESSURE ENVIRONMENTS.

TIPS 06 / WITH A COMPUTER COMMUNICATION INTERFACE, IT IS CONVENIENT TO SAVE DATA AND GRAPHICS IN THE COMPUTER.

TIPS 07 / NO TEST BLIND SPOTS.

TIPS 08 / THE BUILT-IN POWER SUPPLY CAN TEST THE OPEN CIRCUIT AND LOW RESISTANCE SHORT CIRCUIT FAULT OF THE CABLE IN THE ENVIRONMENT WITHOUT POWER SUPPLY.



DATA PORT

USB PORT

CHARGING PORT

ON-OFF KEY

TECHNICAL PARAMETER

TEST METHOD	LOW VOLTAGE PULSE METHOD, HIGH VOLTAGE FLASHOVER METHOD;
IMPULSE HIGH PRESSURE	POWER CABLES BELOW 35KV;
DATA SAMPLING RATE	100MHZ、 50 MHZ、 25MHZ、 12.5 MHZ;
TEST DISTANCE	> 64KM;
READING RESOLUTION	< 1M;
SYSTEM TEST ACCURACY	< 50CM
TEST CABLE PULSE WIDTH IS PROVIDED	"0.05", "0.1", "0.2", "0.5", "1", "2", "8" MICROSECONDS

WITH THE TEST WAVEFORM STORAGE FUNCTION: THE FIELD TEST WAVEFORM CAN BE CONVENIENTLY STORED IN THE INSTRUMENT ACCORDING TO THE SPECIFIED ORDER FOR OBSERVATION AT ANY TIME. CAN STORE A LARGE NUMBER OF FIELD TEST WAVEFORMS;

THE MEASURED WAVEFORM OF FAULT POINT AND FULL-LENGTH OPEN-CIRCUIT WAVEFORM OF GOOD PHASE CAN BE DISPLAYED ON THE SCREEN AT THE SAME TIME FOR COMPARISON AND SUPERPOSITION, AND THE FAULT DISTANCE CAN BE AUTOMATICALLY JUDGED



THE MEASUREMENT METHOD IS SIMPLE AND FAST

FAULT POINT UNIT

PTR50 INTELLIGENT POSITIONING DEVICE



FUNCTION AND CHARACTERISTICS

Function and Characteristic



- TIPS 01** / THE DATA DISPLAY PART USES A BRIGHT 4.3-INCH OLED COLOR LCD DISPLAY TO MAKE THE DISPLAY INTERFACE MORE CLEAR.
- TIPS 02** / THE FUNCTION AND PARAMETER ADJUSTMENT PART ADOPTS A ONE-BUTTON PROGRAMMABLE PULSE CODE KEYBOARD, WHICH MAKES THE OPERATION PANEL MORE CONCISE AND CONVENIENT.
- TIPS 03** / THE INSTRUMENT WILL COLLECT AND DISPLAY THE WAVEFORM OF THE AUDIO PART IN REAL TIME, AND CAN ROUGHLY OBSERVE THE DISTANCE OF THE FAULT POINT BY OBSERVING THE REPEATABLE WAVEFORM CHARACTERISTICS AND DISTANCE AXIS, AND OBSERVE THE WAVEFORM OPERATOR IS NOT EASY TO FATIGUE.
- TIPS 04** / IN THE ACOUSTIC MAGNETIC FIXED POINT MODE, THERE ARE SINGLE AND CONTINUOUS MODES, IF THE DISCHARGE FREQUENCY IS TOO FAST, THE GAP TIME IS TOO SHORT, THE USER CAN CHOOSE A SINGLE MODE TO CAREFULLY ANALYZE THE RELEVANT DATA SUCH AS A DISCHARGE WAVEFORM, AND AT THE SAME TIME, THE WAVEFORM PAGE IS SUPPORTED IN A SINGLE MODE.

TIPS 05

/ IN THE ACQUISITION OF ACOUSTIC SIGNAL, FOUR KINDS OF FILTERING FREQUENCY BANDS ARE ADOPTED, INCLUDING LOW FREQUENCY BAND, MIDDLE FREQUENCY BAND, HIGH FREQUENCY BAND AND FULL FREQUENCY BAND, WHICH CAN BE SELECTED BY USERS ACCORDING TO THE ACTUAL SITUATION OF THE FIELD.

TIPS 06

/ THE STEP VOLTAGE PART IS DISPLAYED WITH WAVEFORM, AND THE SIGNAL IS CONTINUOUSLY SAMPLED AND REFRESHED, SO THAT THE USER CAN ENHANCE THE CONTINUITY ANALYSIS OF THE SIGNAL AND THE RESOLUTION OF THE SUDDEN SIGNAL.

TIPS 07

/ THE STEP VOLTAGE PART IS SUBDIVIDED INTO MULTIPLE GEARS, AND THE LARGE SIGNAL IS ATTENUATED AUTOMATICALLY DURING THE ADJUSTMENT PROCESS TO ENSURE THAT THE DISPLAY SIGNAL IS NOT LIMITED WHEN THE LARGE VOLTAGE AMPLITUDE IS INPUT WITHIN THE TEST RANGE.

TIPS 08

/ THE FIR DIGITAL FILTERING TECHNOLOGY IS USED TO FILTER THE AUDIO PART, WHICH MAKES THE CHARACTERISTIC FREQUENCY BAND MORE OBVIOUS AND THE FILTERING PERFORMANCE IS BETTER.

TIPS 09

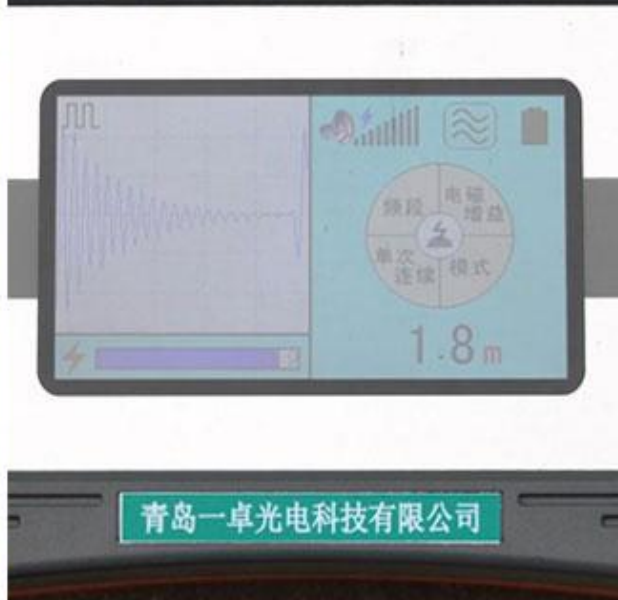
/ THE DISTANCE OF THE FAULT POINT IS DISPLAYED, AND THE DISTANCE OF THE FAULT POINT CAN BE DISPLAYED WITHIN THE RANGE OF 0-25M

TIPS 10

/ IN CONTINUOUS MODE, THE COMPRESSED WAVEFORM WITHIN 15M DISTANCE CAN BE DISPLAYED, AND IN SINGLE MODE, THE WAVEFORM WITHIN 15M DISTANCE CAN BE ANALYZED.



波 (定位)



青岛一卓光电科技有限公司

TECHNICAL PARAMETER

84DB LARGE VOLUME LIMIT	AUTOMATIC DETECTION OF PULSE SIGNALS
DISPLAY FAULT DISTANCE, UP TO 25M	STEP VOLTAGE WAVEFORM DISPLAY
AUDIO TEST ACCURACY 0.10M	STEP VOLTAGE MULTISTAGE GAIN REGULATION
AUDIO WAVEFORM DISPLAY (15M)	THE CONTINUOUS USE TIME IS ABOUT 7H
STEP VOLTAGE SENSITIVITY: 0.1MV-- 75V	AUDIO GAIN GREATER THAN 110DB
ISOLATED INTERFERENCE: 50HZ, DC	FREQUENCY RANGE: 100HZ-- 1500HZ
VOLUME: 240MMX130MMX120MM	BATTERY: 12 RECHARGEABLE BATTERIES
WEIGHT: <1.4 KG	
ELECTROMAGNETIC INTENSITY DISPLAY: RECTANGULAR BAR DISPLAY, DIGITAL DISPLAY, LARGE VALUE RECORDING FUNCTION	
DISPLAY: 4.3-INCH BRIGHT OLED DISPLAY WITH 480×272 RESOLUTION	
LOW-PASS: 100-- 400HZ BANDPASS: 150-- 600HZ HIGH-PASS: 200-- 1500HZ	

THE PATHFINDING PROCESS IS SIMPLE AND EASY

PATHFINDING AND IDENTIFICATION UNIT

T6000 CABLE PATH FINDER



SAMPLING LINE

COUPLING CLAMP

FB18 PATH ANALYZER

CONNECTING LINE

LARGE PATH FINDER RECEIVER



FUNCTION AND CHARACTERISTICS

Function and Characteristic



TRANSMITTER FUNCTION

APPLY A POSITIONING SIGNAL OF A SPECIFIC FREQUENCY TO THE PIPELINE; OUTPUT MODE: INDUCTION MODE, DIRECT CONNECTION MODE, CLAMP MODE; OPERATING FREQUENCY: 577HZ, 815HZ, 8KHZ, 33KHZ, 65.5KHZ, 82KHZ, 133KHZ, THREE KINDS OF COMPOSITE FREQUENCY OUTPUT AT THE SAME TIME, THE SELECTED FREQUENCY IS CUSTOMIZED;

OUTPUT POWER: 10W;

OUTPUT VOLTAGE: 60V;

POWER OUTPUT CURRENT: 1A;

THE TRANSMITTER ADOPTS COLOR LCD SCREEN DISPLAY;

POWER: DUAL POWER SUPPLY, LITHIUM BATTERY PACK (ENERGY SAVING AND ENVIRONMENTAL PROTECTION);

CONTINUOUS WORKING TIME: 1W HOURS 212 HOURS; 5W HOURS 28 HOURS; 10W HOURS 25 HOURS;

AMBIENT TEMPERATURE: -20° C -50 ° C.

RECEIVER FUNCTION

USE: UNDERGROUND PIPELINE AND CABLE POSITIONING (CAN MEASURE THE UNDERGROUND PIPELINE POSITION, DIRECTION, DEPTH, CURRENT)

PEAK MODE: USE TWO HORIZONTAL COILS;

WIDE-PEAK MODE: USE A HORIZONTAL COIL;

VALLEY MODE: USE A VERTICAL COIL WITH LEFT AND RIGHT GUIDING FUNCTION;

RECEIVE FREQUENCY 50 HZ / 577 HZ / 815 HZ / 8 KHZ / 33 KHZ, 65.5 KHZ / 82 KHZ / 133 KHZ

GAIN CONTROL: AUTOMATIC GAIN, GAIN RANGE 0-100DB;

POSITIONING ACCURACY: 5% DEPTH (DEPTH RANGE 0-3M), 10% DEPTH (DEPTH RANGE >3M)

CURRENT MEASUREMENT ACCURACY: S 5% OF THE ACTUAL CURRENT;

THE RECEIVER IS DISPLAYED ON A BRIGHT BLACK AND WHITE LCD SCREEN;

MEASURING RANGE: 0-6M AND ABOVE;

POWER: LITHIUM BATTERY PACK (ENERGY SAVING AND ENVIRONMENTAL PROTECTION);

WORKING HOURS: AVERAGE WORKING HOURS 28 HOURS;

AMBIENT TEMPERATURE: -20° C -50° C.





SHORTEN FAULT POINT TIME

HIGH VOLTAGE SIGNAL UNIT

INTEGRATED HIGH-VOLTAGE SIGNAL GENERATOR WITH BATTERY



HIGH-VOLTAGE SIGNAL GENERATOR

HIGH-TENSION CABLE

SPHERE GAP

BUILT-UP GROUND WIRE

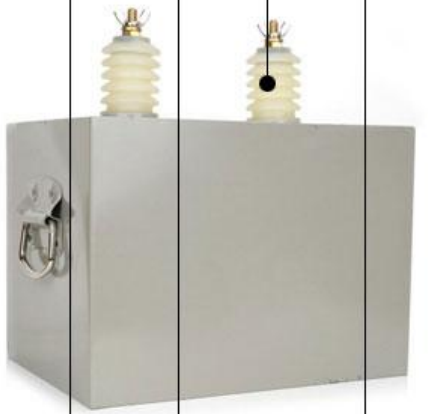
EQUIPMENT GROUND WIRE

DISCHARGE ROD

POWER CORD

CAPACITANCE

HIGH-TENSION CABLE



FUNCTION AND CHARACTERISTICS

Function and Characteristic



- TIPS 01** / CLOSED BOX STRUCTURE, ALL HIGH-PRESSURE EQUIPMENT AND HIGH-PRESSURE PORTS ARE NOT EXPOSED TO ENSURE SAFE OPERATION.
- TIPS 02** / USING LARGE SCREEN COLOR LIQUID COMPASS DISPLAY, MORE INTUITIVE DISPLAY OF DISCHARGE VOLTAGE AND CURRENT VALUE.
- TIPS 03** / HIGH DEGREE OF INTEGRATION, THE HIGH VOLTAGE SWITCHING POWER SUPPLY, HIGH VOLTAGE PULSE CAPACITOR, UNIQUE PULSE OUTPUT MECHANISM, AUTOMATIC DISCHARGE MECHANISM, DISCHARGE ROD IN ONE WHOLE PROCESS COMPLETELY INSULATED TO ACHIEVE THE SAFETY FIRST REQUIREMENTS OF THE WIRING SIMPLIFICATION.
- TIPS 04** / THE INSTRUMENT HAS A HIGH DEGREE OF AUTOMATION, WITH THE FUNCTION OF AUTOMATIC DISCHARGE OF DISCHARGE ROD AFTER POWER FAILURE AND AUTOMATIC PROTECTION OF OVERCURRENT. IN PARTICULAR, THE HIGH VOLTAGE SWITCH IS CONTROLLED BY THE DIGITAL PULSE CIRCUIT, WHICH REALIZES THE HIGH VOLTAGE PULSE GENERATOR WITH AUTOMATIC FREQUENCY ADJUSTMENT AS THE VOLTAGE RISES.

TIPS 05

WITH CONTINUOUS HIGH VOLTAGE PULSE, HIGH VOLTAGE DIRECT CURRENT, SINGLE HIGH VOLTAGE PULSE THREE MODES OF OPERATION, USERS CAN CHOOSE ACCORDING TO THEIR NEEDS. FOR EXAMPLE: DC HIGH VOLTAGE IS SELECTED FOR THREE PULSE SAMPLING, SINGLE HIGH VOLTAGE PULSE IS SELECTED FOR FLASHOVER SAMPLING, AND CONTINUOUS HIGH VOLTAGE PULSE IS SELECTED FOR FAULT POINT.

TIPS 06

WITH SINGLE DISCHARGE, PERIODIC DISCHARGE FUNCTION, ADAPT TO DIFFERENT CABLE FAULT PROPERTIES, SUITABLE FOR ALL KINDS OF IMPORTED AND DOMESTIC CABLE FAULT TESTER.

TIPS 07

DESKTOP STRUCTURE, ALL CONTROL, OPERATION AND DISPLAY DEVICES ARE SET IN THE FRONT PANEL, INTUITIVE DISPLAY, EASY TO OPERATE.

TIPS 08

BOOST, SPARK, DISCHARGE DEVICE INTEGRATION, WIRING, SIMPLE OPERATION, CONVENIENT, SMALL SIZE, LIGHT WEIGHT, EASY TO CARRY.

TIPS 09

THE CONTROL LOOP IS DESIGNED WITH ELECTRONIC TECHNOLOGY TO IMPROVE SAFETY AND RELIABILITY.

TIPS 10

SMALL SIZE TAKES UP LITTLE SPACE AND CAN BE USED SAFELY IN A NARROW ENVIRONMENT.

TIPS 11

IT CAN WORK ON BATTERY POWER WITHOUT MAINS ELECTRICITY.

