

Multi-functional

HART Handheld Communicator

INTRINSICALLY SAFE
EXPLOSION PROOF

CAN BE USED IN ZONE
1 HAZARDOUS AREAS

- ★ INDUSTRIAL WATER-PROOF,DUST-PROOF
& SHOCKPROOF(ANTI-DROP) DESIGN
- ★ CURRENT AND VOLTAGE MODES CAN BE
INTERCHANGED IN POWER CONVERTERS
- ★ INTERNET REMOTE DEBUGGING
- ★ FITS ALL MODELS OF HART INSTRUMENTS
- ★ UPDATE DD DATABASE FOR FREE
- ★ SUPPORTS FF FIELDBUS INSTRUMENTS



SAFE&RELIABLE



REMOTE DEBUGGING



FREE SWITCHING



EASY TO OPERATE


1000+
CUSTOMERS


10 YEARS
R&D Experiences

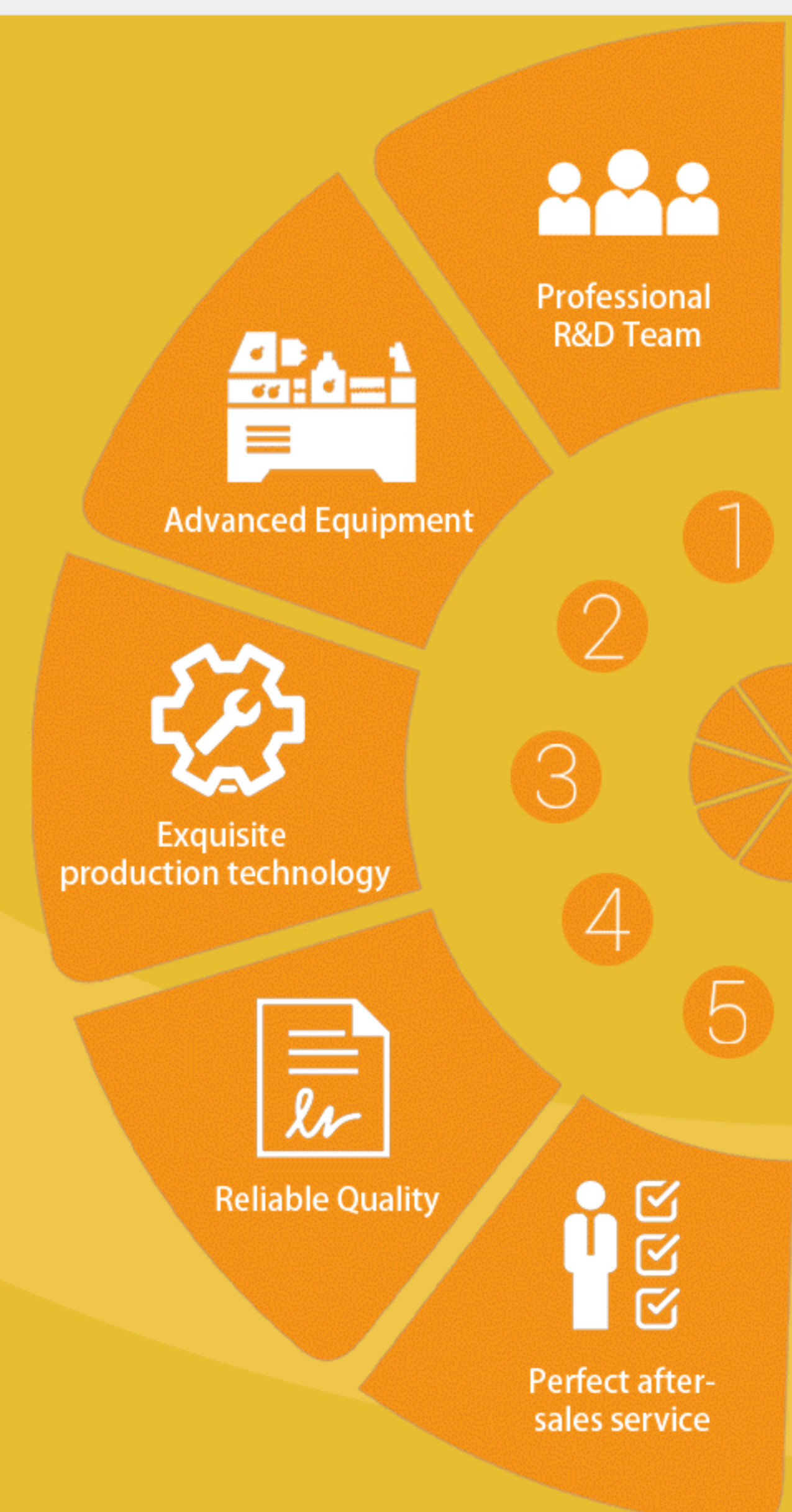

100,000+
Global shipments(pcs)
(Data up to 2024.6)


50%
Of staff with Master's
& PhD degrees


120+
Countries & regions

Shaanxi Shengke Electronic Technology Co.,Ltd. (SKE) is a high-tech enterprise mainly engaged in sensor research and development, production and sales. Its products and businesses cover more than 20 countries and regions around the world. Its products have served more than 1,000 key enterprises and scientific research institutions, widely used in petroleum and chemical industry, iron and steel metallurgy, national defence and military, measurement and testing, Hydrology and shipbuilding, food and pharmaceuticals and other key areas of the industry, etc. SKE has accumulated a good reputation in the industry and is deeply trusted by its users.

The company's main business includes HART device communicators, self-developed two-wire non-invasive level gauges, external level switches, external multi-point switches, external pipeline switches, 80GHz radar level sensors, 80GHz radar level sensors for solids, high-precision level transmitters, flow meters, professional software, etc. The product business covers more than 20 countries and regions, serving more than 1,000 customers worldwide.



Notable Customers



SKE provides every customer with a full range of services, such as products selection, installation guidance, lifelong maintenance and so on. Over the past ten years, we have established good and stable partnership with many famous domestic companies and opened the international market gradually.

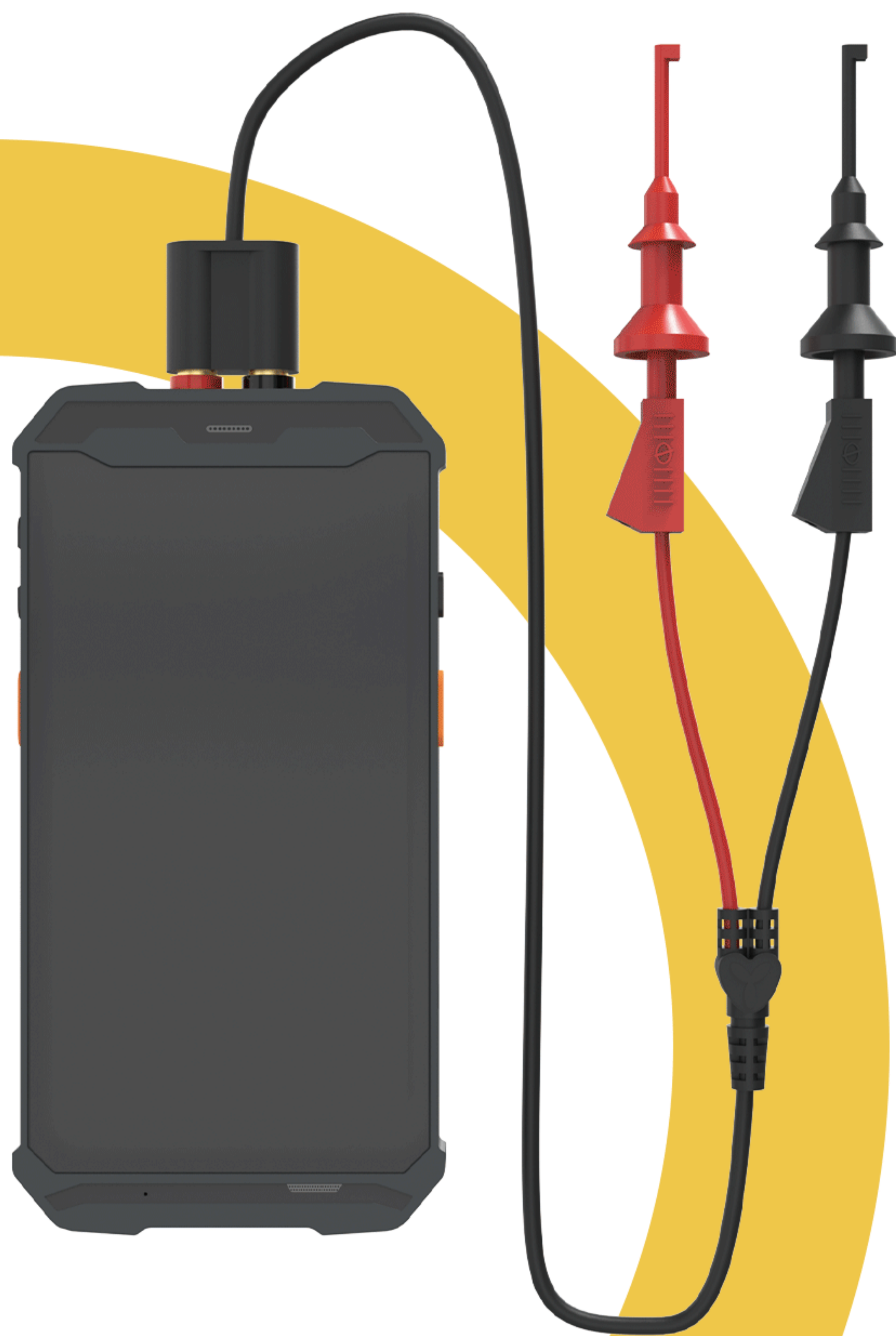
MODEL: SK-660F

PRODUCT INTRODUCTION

The HART/FF handheld operator is a multi-functional handheld communicator based on DD analysis. It supports private menus and detailed settings of all HART instruments, featuring a built-in 24V/250 ohm resistor and a built-in current signal generator; Supports DD menu translation.



PRODUCT FEATURES

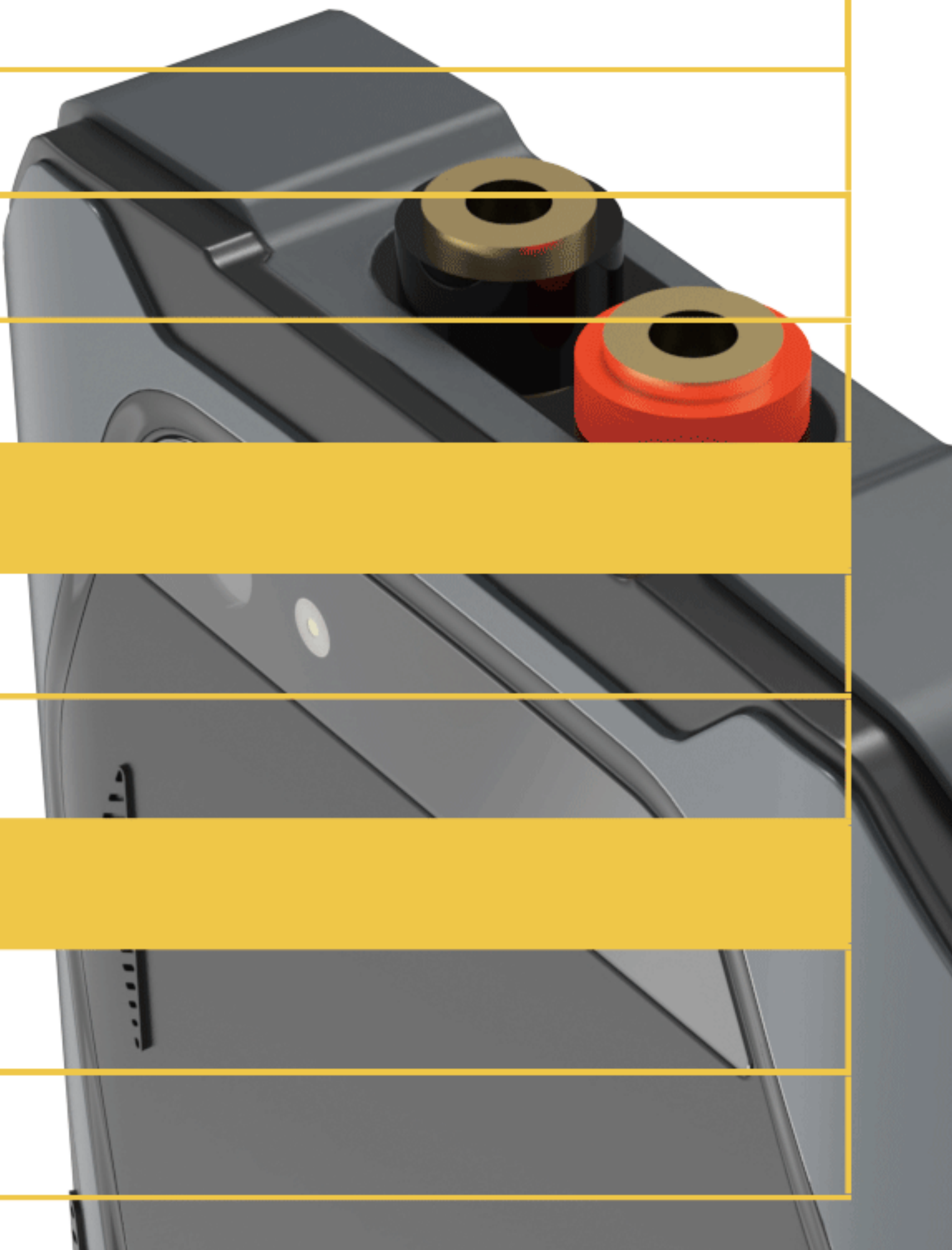


- Industrial water-proof, dust-proof & Shockproof (anti-drop) Design, Protection grade IP67;
- Intrinsically Safe Explosion Proof, can be used in zone 1 hazardous areas;
- Double-color injection molding for parts, outer silicone shell, better drop resistance;
- Based on DD parsing, it supports all HART instrument private menus and detailed settings;
- With DD-based configuration, enables full access to HART/FF device private menus and parameter settings;
- Built-in 24V/250 ohm, built-in power supply can set to switch-off via software; Resistor/Only 250 Ohm Resistor/Only 250 Ohm Resistor and 24V Power Supply;
- Built-in 0-22 mA current signal generator; current can be set by software or switched to voltage mode;
- Support remote debugging of instruments via the internet.

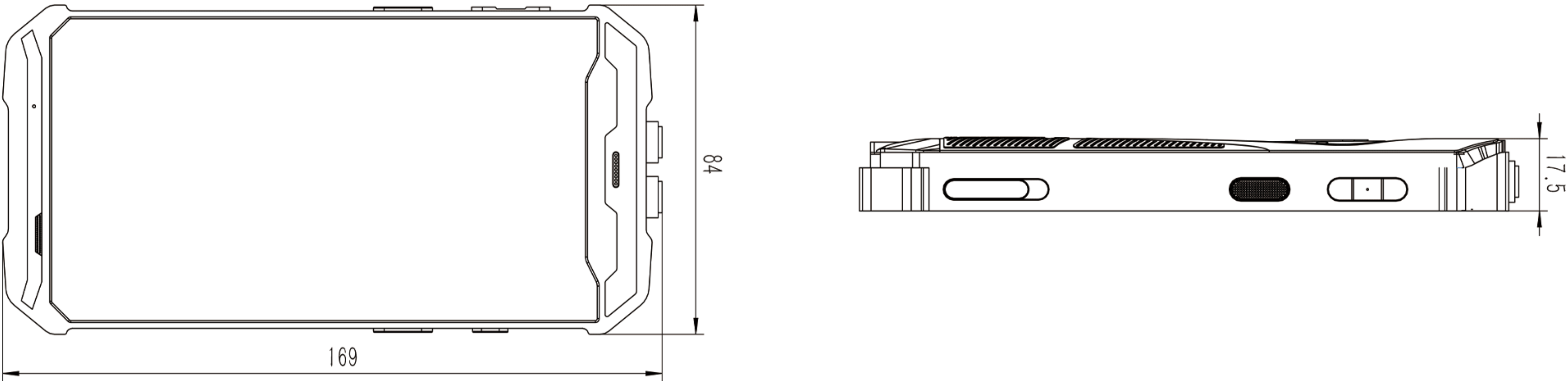
SK-660F

TECHNICAL PARAMETER

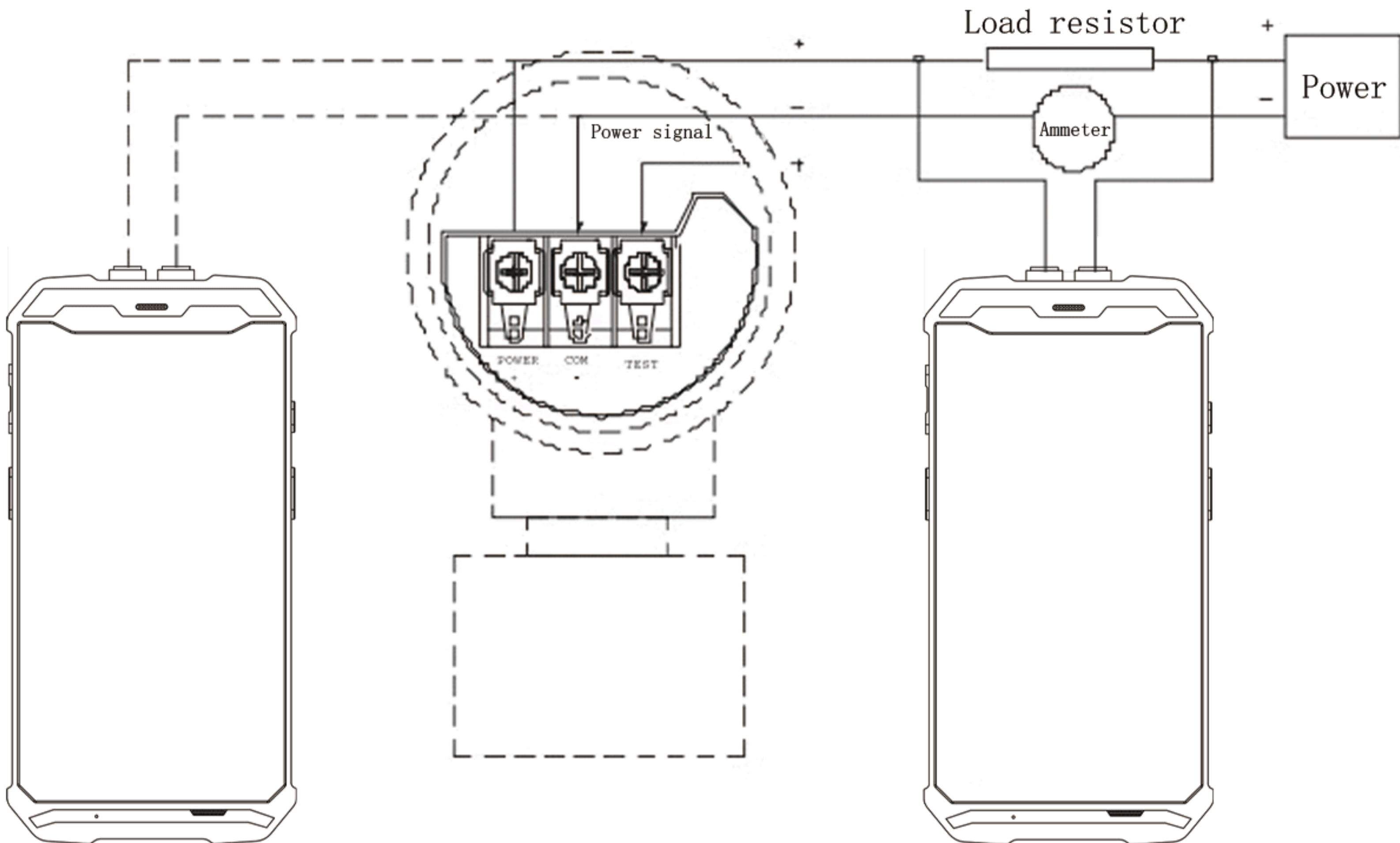
Hardware & operating system	
Processor	Cortex-A53 Octa-Core Processor 64 bit 2.0Ghz
RAM+ROM	4GB+64GB
Operating system	Android 9.0
Physical properties	
Weight	300g
Dimensions	168mm x84mm x17.5mm(Length x width x thickness)
Display Screen	5.5-inch capacitive touchscreen, 1280*720 pixels
Buttons	1 on/off button, 2 customizable buttons
Batteries, Adapters Polymer battery	
Batteries	4200mAH polymer battery Standby time >300 hours Continuous use time (without 24V power output)>12 hours Continuous use time (24V,4mA)>10 hours Continuous use time (24V,20mA)>8 hours Charging time 4 hours
Battery Charger	Input voltage100-240V,Output 5V/2A
Connection	
USB, charging port	TYPE-C interface
Wireless connection	
Bluetooth	BT5.0,Range10m
Wi-Fi	2.4G/5G dual-band, supports 802.11a/b/g/n/ac/IPV4,IPV6
HART + FOUNDATION Fieldbus (FF)	
Physical Layer Standard	FSK Physical Layer Specification,HCF SPEC-054
HART /Foundation Fieldbus debug	Supports DD parsing, enabling all debugging functions for HART/FF bus instruments
Localization Features	Support DD menu translation, real-time translation of menus for instruments that do not support Chinese in DD files.
Communication terminal	Dual 4mm banana plugs
Instrument connection	Test leads with various alligator (crocodile) clips
Output Function	Settable internal 250Ω/24V + 250Ω/0-22mA current generator
Explosion-proof protection	
Explosion proof signs	Ex ib IICT4 Gb
Protection level	IP67
Environment	
Operating temperature	-20°C~+50°C
Ambient humidity	0%~95%,No condensation



DIMENSIONS



ELECTRICAL CONNECTION METHODS



选型表

SK-660---

Code	Remote Debugging
None	Not
Y	Supports Internet remote debugging
Code	Mobile phone/tablet
None	User-provided mobile phone/tablet
L	Compatible phone or tablet
Code	FF bus
None	Not
FF	Supports FF bus functionality



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