

FUNCTIONS

The wear measurement device can measure the overhead catenary system contact line. The measuring head adopts the high-precision sensor as the image acquisition key measuring part, the measuring head, wireless data receiver and one pc Ultrahigh voltage insulating rod assemble one full set measuring device. Worker holds UHV voltage insulating rod to push the measuring head touches each measurement point, full system uses Zigbee technology data to transmit measuring values wirelessly, wireless diagnoser collect the measuring data and to do data analysis and storage. The wireless diagnoser uses touch screen computer technology, operator may input working area marks like area No./Line No./Pole No. The Wear Measurement Device uses a special software to statistically analyze the contact line wear area data, and can connect PC to exchange data and print out the specified report specifications via USB port.



ASSEMBLY

- 1. Diagnostor
- 1-1. Power switch
- 1-2. Battery charge port
- 1-3. USB port
- 1-4. Wireless mast
- 2. Measuring head
- 2-1. Measuring sensor
- 2-2. Wire clamp
- 2-3. Power switch
- 2-4. Power charging port
- 3-1. HUV pole
- 3-2. Pole thread sleeve

MAIN TECHNICAL PARAMETERS

Measuring height	1m~6.5m
Scope of application	DIN48201standard TJ10/16/25/35/50/70/95/120/150/185/240/300/400/500 DIN43138 Standard TJR16/25/35/50/70/95/120/150/185/240/300
Measurement accuracy	0.02mm
Data transmission	Zigbee technology, data wireless transmission, ground receiving terminal synchronous display
Display content	Pillar number, wire wear width, wear percentage prompt
Storage	Applause computer(added) real-time storage
Insulation performance	Suitable for power frequency, single-phase(AT27.5KV,BT25KV) contact network live working
Portable	Probe weight<1kg
Power	Probe and receiver using lithium-ion batteries
Power consumption	Can work continuously for 8 hours at room temperature
Working environment	-10℃~+50℃
Relative humidity	80%

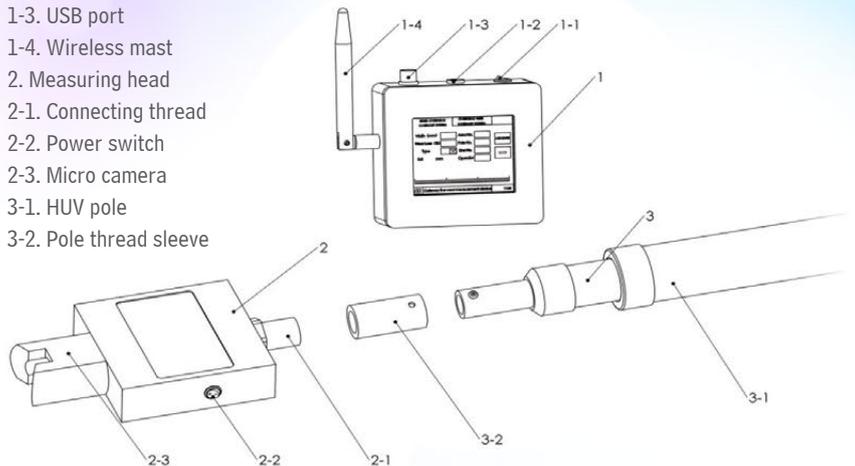


FUNCTIONS

The wear measurement device can measure the rigid catenary system contact line. The measuring head uses the wireless micro camera as the image acquisition key measuring part, the measuring head, wireless data receiver and one pc Ultrahigh voltage insulating rod assemble one full set measuring device. Worker holds UHV insulating rod to push the measuring head touches each measurement point, full system uses Zigbee technology data to transmit measuring values wirelessly, wireless diagnostor collect the measuring data and to do date analysis and storage. The wireless diagnostor uses touch screen computer technology, operator may input working area mark like area No./Line NO./Pole NO. The wear measurement device uses a special software to statistically analyze the contact line wear area data, and can connect PC to exchange data and print out the specified report specifications via USB port .

ASSEMBLY

1. Diagnostor
 - 1-1. Power switch
 - 1-2. Battery charge port
 - 1-3. USB port
 - 1-4. Wireless mast
2. Measuring head
 - 2-1. Connecting thread
 - 2-2. Power switch
 - 2-3. Micro camera
3. HUV pole
 - 3-1. HUV pole
 - 3-2. Pole thread sleeve



MAIN TECHNICAL PARAMETERS

Measuring height	1m~6.5m
Scope of application	CT85,110,120,150 or other DIN 43141/TB/T2810 wire
Measurement accuracy	0.02mm
Data transmission	Zigbee technology, data wireless transmission, ground receiving terminal synchronous display
Display content	Pillar number, wire wear width, wear percentage prompt
Storage	Applause computer(added) real-time storage
Insulation performance	Suitable for power frequency, Single-phase(AT27.5KV,BT25KV) contact network live working
Portable	Probe weight < 1kg
Power	Probe and receiver using lithium-ion batteries
Power consumption	Can work continuously for 8 hours at room temperature
Working environment	-10℃~+50℃
Relative humidity	80%