

SL-III Holiday Detector,spark leak detector,Coating Surface Spark Leak Flaw Detector

Functions and Uses:

SL-iii series edm detector is used to detect the construction quality and aging corrosion points of anticorrosive coatings on oil and gas pipelines, cables, enamels, metal storage tanks, lining and ship hull. When the anticorrosion coating has the quality problem such as the micro hole, air gap, the instrument will emit the bright spark, at the same time produces the sound alarm. The instrument has novel design and simple operation, and is widely used in petroleum, chemical, rubber, enamel, power plant and other industries.



SL-III A Holiday Detector

SL-III Holiday Detector,spark leak detector,Coating Surface Spark Leak Flaw Detector

Characteristics

1. Low power consumption, small size and light weight;
2. Simple operation, intuitive and convenient;
3. The pointer head indicates the output voltage and the supply voltage;

Detection principle and method

The resistance value and air gap density at the pinhole, iron leakage and electricity leakage microhole of the insulating anticorrosive layer on the metal surface are very small. When the high voltage passes by, the air gap breakdown will produce spark discharge. The alarm circuit and the counting circuit will each generate a pulse signal, and the alarm will send out a sound and light alarm

Main technical indicators

Measurement range	type A: 0.03-3.5mm B: 3.5 to 10 mm
Output high voltage	type A: 0.5-15kv B: 15-36 kv
Display	pointer type
High voltage control system	regulation of ordinary potentiometer
Dc power supply	12v
Power consumption	< 5w
Alarm delay	1-2 seconds
High voltage gun	microelectronic high voltage generator
Packing	metal case
Host size	165mm ×155mm ×68mm

Detection principle and method

The resistance value and air gap density are very small at the insulation and corrosion protection layer on the metal surface is too thin, the iron leakage and electricity leakage microhole, when there is a high voltage after the formation of air gap breakdown and spark discharge, the alarm circuit to produce a pulse signal, alarm alarm sound and light alarm, according to this principle to achieve the purpose of corrosion protection layer leakage detection.

Instrument accessories

1. One main machine
2. One high-pressure gun
3. One plate probe brush
4. One charger
5. One long grounding wire
6. One short grounding wire
7. Connect one magnet
8. 2 grounding rods
9. One pair of high-pressure gloves
10. One set of random documents



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