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Holliday Detector: DJ-6B

Description

Holliday Detector

Features of Holliday Detector:

Features

With corrosion an extremely costly and disruptive worldwide problem, preventative determination becomes essential.

For newly constructed tanks, pipelines and other installations, where corrosion prevention coatings have had to be applies, specifications will normally. Meanwhile, as well as apply in porcelain enamel industry. Call for a specific coating to a specific thickness. By using our Detector to verify the competency of the sealing coatings, the contractor can be assures that his coatings responsibility has been met. In terms of cost effectiveness, with the low capital and operating costs of the Detector, the contractor will have some protection from claims at a very low price.

Specification

2.SPECIFICATIONS

2.1 Measurement range: 0.5mm~10.0mm(we can also provide extra 10.0mm detector which depends customer requirement.)

2.2 Output Voltage: 0 .7kv to 30kv

2.3 Display: current voltage value display in LCD

2.4 Battery: 12V/2800mA

2.5 Power Consumption: 6W

2.6 LCD Display: 3 bit.

2.7 Backlight

2.8 Alarm function: Earphone alarm and buzzer alarm.

2.9 Switch on quickly, and turn off automatically.

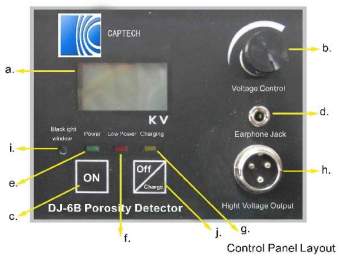
2.10 Dimensions: 220mm x 130mm x 88mm

2.11 Weight: 2.2kg

3. PRINCIPLE AND CONFIGURATION

3.1 Measurement principle

DJ-6B porosity detector provides certain impulse-voltage on the surface of protective coating or painting, where covered above the metal material basement. If the protective layer exists pinholes or the coating is too thin, the detector will release sparkle and give impulse signal to alarm component. The alarm component will beep and beep, and point out harmful points to the operator.



Control Panel Layout

3.2 Configuration

DJ-6B porosity detector is constituted of main unit, high voltage generator and probe brushes.

a. LCD display b. Voltage control c. On switch d. Earphone jack
e. Power indicator f. Low Power indicator g. Charging indicator
h. High voltage probe connector i. Backlight sensor window
j. Off/charging switch
Configuration illustration 2
k. Fuse cabin (0.75A) l. Earth connection m. Charger connector
Configuration illustration 3

n. Probe extension connect hole
o. High voltage generator
p. Handle
q. Connect cable
r. Cable plug

Appendix

Protective coating or painting Materials	Coating or painting thickness (mm)	Recommend voltage (KV)
Epoxy Coal Tar Coating	0.2 0.4 0.6 0.8	4~5KV or user-defined
Oil asphalt	2 3 5.5 7 9	11 15 18 20 24
PE anticorrosion coating tapes	Experience Formula: V=TC * 3249 V: voltage TC: protective coating thickness	
Glass enamel	8KV~20KV in general	