Petro Farhan Gostar Joonob

Iran,Tehran, Tehransar

Holiday Detector

Contact us:

+982144584619

+982144584671

+982165565901

Whatsapp : +989034119385

Holiday Detector and Pore Detector Made in Iran

Device Technical Specifications:

Variety of Voltages: 5 - 12- 22 – 30KV

Internal charging system (with dry battery)

Output voltage indicator system (with seven segments)

Steady voltage system and no sudden voltage change (with selector)

Step-by-step output voltage adjustment feature

Output system type: Pulse

The operation speed of the device on the working surface (pipes and oil tanks): 1M---3S

Alarm system: voice and optical alarms (audio and visual)

Ability to be tested on all types of insulation, pipes with different sizes, and tanks

Low battery indicator system and battery status indicator

Environment humidity reduction system

Petro Farhan Gostar Joonob Technical and Engineering Company

Petro Farhan Gostar Joonob

Website :

FGJ-NDT.IR

DIGINDT.IR

Email:

fgjndt@gmail.com

Device dimensions specifications:

Dimensions: 10*25*10cm

The device weight with the probe: 3Kg

Device battery specifications:

6V 4.5A dry battery

Battery function duration: 10 non-stop hours

Battery full charge time: 15 hours

Input charge voltage amount: 220V AC

Device's equipment:

Gloves

Helmet

Cane carrying case

Free spring in two sizes

Probe with special high-voltage cable

Ground wire with nut bolt and hook

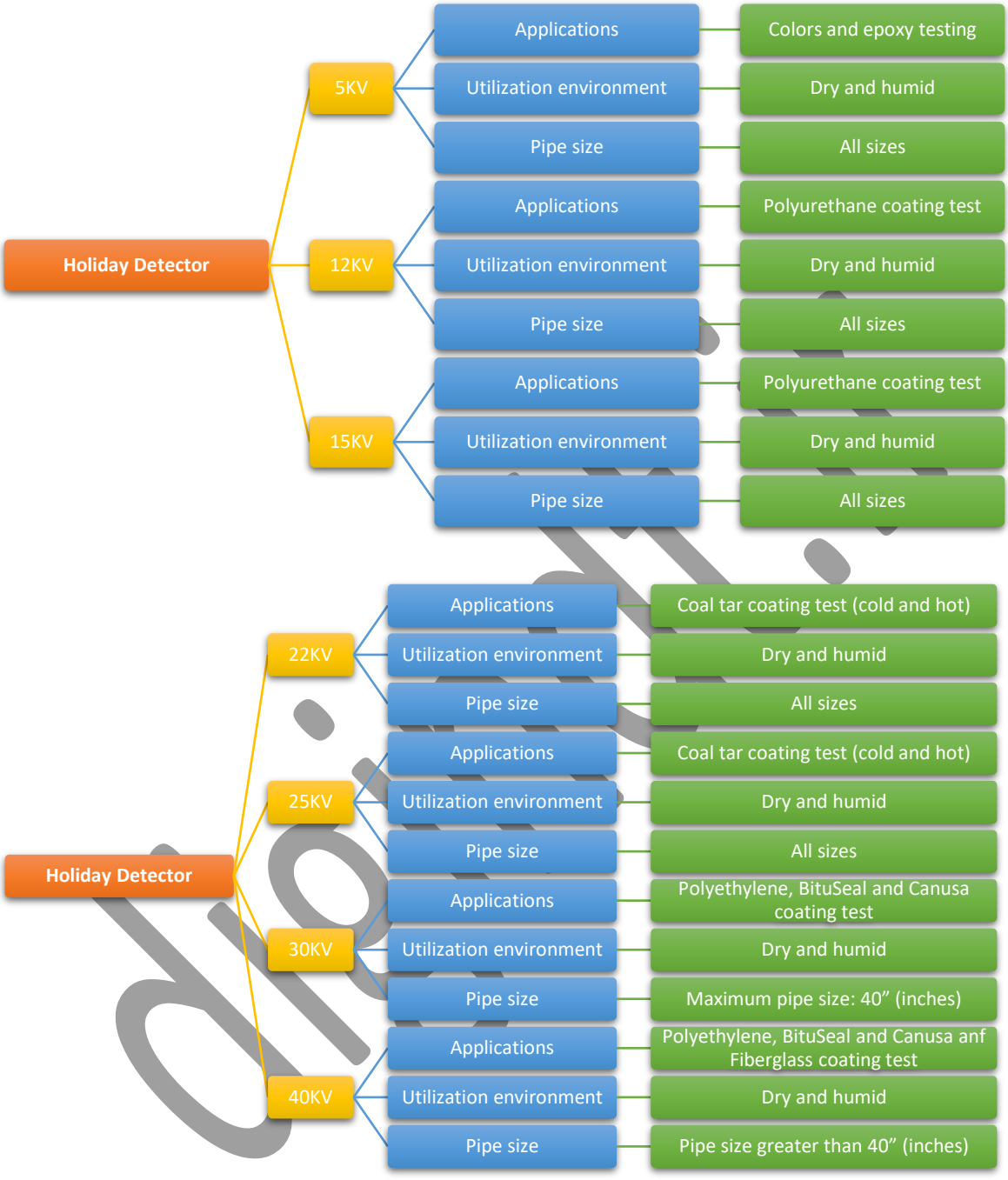
Power connection cable for charging

1-year guarantee card

Manual (in English and Persian)

Various applications of Holiday Detector in different voltages

5KV	Applications	Colors and epoxy testing
	Utilization environment	Dry and humid
	Pipe size	All sizes
12KV	Applications	Polyurethane coating test
	Utilization environment	Dry and humid
	Pipe size	All sizes
15KV	Applications	Polyurethane coating test
	Utilization environment	Dry and humid
	Pipe size	All sizes
22KV	Applications	Coal tar coating test (cold and hot)
	Utilization environment	Dry and humid
	Pipe size	Maximum pipe size: 300" (inches)
25KV	Applications	Coal tar coating test (cold and hot)
	Utilization environment	Dry and humid
	Pipe size	Pipe size greater than 40" (inches)
30KV	Applications	Polyethylene, BituSeal, and Canusa coating test
	Utilization environment	Dry and humid
	Pipe size	Maximum pipe size: 40" (inches)
40KV	Applications	Polyethylene, BituSeal, and Canusa and Fiberglass coating test
	Utilization environment	Dry and humid
	Pipe size	Pipe size greater than 40" (inches)



Selector Steps

5KV (0 – 0.5 – 1 – 1.5 – 2 – 2.5 – 3 – 3.5 – 4 – 4.5 – 5)
12KV (0 – 1 – 2 – 3 – 4 – 5 – 6 – 7 – 8 – 9 – 10 – 12)
15KV (0 – 3 – 6 – 8 – 10 – 12 – 14 – 16 – 18 – 20 – 22)
25KV (0 – 3 – 6 – 8 – 10 – 12 – 14 – 16 – 18 – 20 – 22)
30KV (0 – 8 – 12 – 14 – 16 – 18 – 20 – 22 – 24 – 26 – 28 – 30)
40KV (0 – 8 – 12 – 16 – 20 – 22 – 24 – 26 – 28 – 30 – 35 – 40)

Device's equipment:

Gloves

Helmet

Cane carrying case

Free spring in two sizes

Probe with special high-voltage cable

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Practical tips

The SPRING probe and sweeper probes of the device are used in gas supply projects (piping) and the oil tank surface projects, the only probe used is the sweeper probe to test the insulation. In piping projects, if the pipe size is greater than 30" (inches), a leader probe is needed.

Item number 1:

Is comprised of 10 pairs of LEDs that indicate the amount of voltage stored in the Holiday Detector device's battery while starting to operate. The maximum amount of battery voltage is a couple of LEDs that are indicated at the top of the battery indicator and the order of battery charge status is Green, Yellow, and red, respectively.

Item number 2:

Is comprised of a seven-segment row in 3 digits that indicates the system voltage to do the work. The abovementioned amount is in kilovolts (KV).

Item number 3:

Having a volume selector to adjust the output voltage amount of the device.

Min = 0
Max = 5KV
Max = 12KV
Max = 15KV
Max = 22KV
Max = 25KV
Max = 30KV
Max = 40KV

Item number 4:

Having a volume to adjust the environment humidity sensitivity level.

Item number 5:

Is an LED that displays the operating status of the device in a green color.

Item number 6:

Is a socket to be used while charging the battery with a 220-volt city electricity network in which the battery charging is automatically done by placing the related wire in its place and connecting it to the city electricity network.

Item number 7:

The location of the ground wire during work.

Item number 8:

The location of the probe cable (Holiday cane).

Item number 9:

Key to turn the device OFF and ON.

Item number 10:

is an LED for optical alarm that goes ON with voice alarm.

Standards:

ANSI/AWWA C213, AS 3894.1, ASTM C 537, ASTM D 4787, ASTM G 6. ASTM D 5162-B, ASTM G 62-B, BS1344-11, DIN 55670, EN 14430, ISO 2746, JIS K 6766, NACE RP0188, NACE RP0274, NACE RP0490, NACE SP0188, NACE SP0490

Instructions:

IGS-O-CP-312