Mn1604, Panasonic 6AM6, Varta 4122/4020 or equivalent). Snap the contacts of the new battery onto the connector and slide the battery (base first) into the Digitest body. (Take care that the ribbon is properly positioned to made future removal easy.)

Replace the stainless steel sheath and tighten the screw gently.

Use batteries must be disposed of in accordance with any applicable environmental legislation.

Digitest Pulp Vitality Tester

Device Description:

The digitest is a hand-held digital diagnostic device that identifies a vital tooth by stimulating it with a weak current. Vital teeth should sense the mild stimulus long before it causes discomfort. As the operator depresses the button, the strength of the stimulus gradually increases automatically.

Intended use/indications:

For use as an aid in establishing pulp vitality.

Contraindications:

Device should not be used on patients wearing a pacemaker.

Warning: Do not modify this device. Modifacation may violate safety codes and endanger patient and operator. Any modification will void the warranty. Do not use in the presence of cardiac pacemakers or monitoring devices.

Adverse events:

None known.

How supplied:

You receive...

- A digitest pulp vitality tester
- 2 Autoclavable Tooth proves
- 9 Volt high-output alkaline battery(Already installed in instrument)
- Lip ground wire
- Instructions
- Warranty registration card
- Plastic storage case

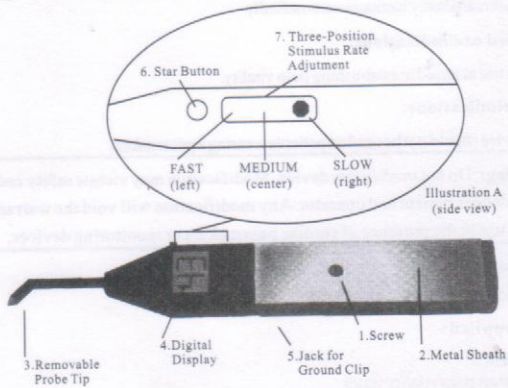
Cleaning and infection control:

The two tooth proves and the lip ground and its cables can be sterilized in any conventional steam autoclave(132-135C for 15 min for gravity displacement and 4 minutes for prevacuum cycle.)**Do not autoclave the device itself**, which may be cleaned with a damp cloth and wiped with a cold sterilant.
Autoclaving does not remove debris that may have accumulated. To assure adequate sterilization, wash the autoclavable components in warn, soapy water(before autoclaving).

Service and maintenance:

Replace battery if the red numbers fail to work or if small red decimal points(..) appear during the test. (Note: the dots will appear when you take your finger off the start button even when the batteries are strong.)Remove battery if device ill not be used for a prolonged period.

Do not open the plastic case. No user-serviceable parts inside. Internal repairs are to be made only by authorized parkell personnel.



How to Use Your Digitest Vitality Tester

1. Clean and dry the tooth to be tested.

2. Insert prove(3) into the power unit as shown in Illustration A. To improve contact between tooth and prove, apply a little prophy paste or toothpaste to the metal tip. The probe is stainless steel and sterilizable(except by dry heat.)

3. If gloves are being worn, plug the optional autoclavable patient ground into the side of the unit as shown in Illustration B. Place ground wire over the patients lip, so it makes good contact with the oral mucosa(alternatively, the patient may hold the ground wire firmly in the hand.)When gloves are not worn, the ground wire need not be used, if the operator makes contact with the metal sheath of the unit and touches the patient's cheek or chin with the free hand.

Hint: Even if gloves are worn, a patient ground is not necessary if the dentist instructs the patient to rest a finger on the metal sheath during the test. This will create the necessary circuit. If the patient is told to remove the finger as soon as he/she feels something, the stimulus will terminate immediately upon confirmation of vitality.

4. Place the probe on the middle of the labial or lingual surface of the tooth. Avoid soft tissue and restorations such crowns, amalgams or composites.

5. To activate the unit, press the start button(6). The display will light and the digital readout will indicate that an increasing Gentle-pulse stimulus is being applied to the tooth. The rate of increase may be adjusted with the three-position switch(7) to suit the operators technique.

6. When the patient feels the stimulus, release the button. The stimulus will stop immediately. The display will freeze and hold the final reading for approximately 5 seconds, so it can be noted. The unit will then automatically turn itself off. The reading corresponding to the maximum stimulus is 64. NO sensation at the maximum stimulus (64) suggests that the tooth is non-vital. This conclusion should be confirmed by thermal testing. If the button is continuously held down, the unit will count to 64, hold for a period, then reset to zero and begin again. The unit resets to zero every time the button is pressed.

Clinical observations:

There is no such thing as a "normal"threshold for a vital tooth. There fore, a digital readout (strength of stimulus) below "64" has no direct diagnostic value. Posteriors generally require greater stimulus that anteriors, but the threshold may also be affected by such factors as the age of the patient, teauma and pathology. Generally. cross-arch and opposing teeth have similar thresholds.

CAUTION: The power unit incorporates sophisticated electronic circuitry. It should not be exposed to moisture. Do not sterilize it. Avoid dropping the power unit or subjecting it to physical shock. Battery should be removed if unit is stored or unused for long periods.

How to replace the battery:

Remove the screw(1). Lift off the stainless steel sheath(2). Release the battery from the body by gently pulling the ribbon. Unsnap the battery connector and discard battery.

Use only long-life, high -output, 9V batteries (Radio Shack 23-553,Duracell