

# 10-01

Tp

## KT-10 S/C Quick Start Guide

### CONTROLS

To control the KT-10 S/C, use the button sequence as follows:



Short Button Press UP: is a sin	ngle short push of the button pointing to screen (upper half)
	be button in its upper half for more than one second or until a
reactio	n appears on display LBP
Short Button Press DOWN:	is a single short <u>push on</u> the button pointing away from
	screen (lower half) SBP V
Long Button Press DOWN:	hold the button in its lower half for more than one second or
	until a reaction appears on the display $LBP \checkmark$

Both buttons pressed together will turn the unit off at any time during operation. This symbol will be used throughout this document to represent this button press  $LBP \checkmark LBP \blacktriangle$ 

#### POWER

- To power the unit ON, use **SBP**
- To power the unit off from main menu options, **LBP**▲ or **LBP**▼ once the Shutdown option is highlighted.

#### MAIN MENU

Use  $\underline{SBP}$  or  $\underline{SBP}$  to navigate through the menu options. When desired option is highlighted, use  $\underline{LBP}$  or  $\underline{LBP}$  to make a selection.

#### **SETUP**

The Setup menu contains several different parameters to configure the KT-10 S/C's operation. The options in this menu are: **Mode, Core Diameter, Measure Units, Date/Time, Accessories, Advanced**, and **Main Menu**. To navigate to the desired parameter use the **SBP** or **SBP**, then when the parameter is highlighted use **LBP** or **LBP** to activate it.

IMPORTANT! Please make sure to set the Date & Time on the meter before saving any measurements.

#### PIN

The KT-10 S/C is equipped with a **PIN** for rough surface measurements. This is PIN is also used to extend conductivity reading range up to 100,000 S/m. Please Note: To enable the PIN mode; Enter the PIN submenu under the Setup menu, highlight PIN from the two options available (Pin or No pin) and use  $LBP \checkmark$  or  $LBP \blacktriangle$  to activate it.

#### **Measurement – Measure Mode**

Note: The duration for the measurement sequence is 7 seconds long. Soon after the measurement is initiated, a new screen with 4 dashes and a progress bar will appear. It takes 7 seconds for the progress bar to complete. It is important that you do not wait for the bar to build up in between each of the 3 steps or else you will be presented with "Error" on the screen.

- 1. Setup the KT-10 S/C Selection of Measurement Mode, Core Diameter and PIN options
  - A. From the Main menu, select the Setup options.

- B. Select Mode and then select the preferred mode of measurement.
- C. Select Core diameter then choose the core diameter size. Select "None" if you wish to measure rock samples or outcrops.
- D. Select PIN and select either Pin or No pin mode
- E. Select "Back to menu" to go back to main menu

#### 2. Select Measure

**Step 1:** With the KT-10 S/C in free air, **SBP** to start the measurement process. After about 1 second you  $\circ \circ \circ$  will hear a short sound indicating the free air measurements are complete.

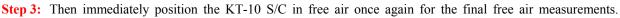
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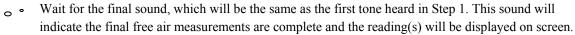
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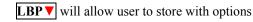
**Step 2:** Immediately place the KT-10 S/C on the sample's surface then **SBP**. When the reading on the sample is complete you will hear a sound; this sound is different then the one heard during the free air measurements.





3. Storing Record

**LPB** will quickly store a reading



#### Measurement – Scanner Mode

- 5. Setup the KT-10 S/C Selection of Measurement Mode, Core Diameter and PIN options
  - A. From the Main menu, select the Setup option.
  - B. Select Mode and then select the preferred mode of measurement.
  - C. Select Core diameter then choose a core diameter size. Select "None" if you are measuring rock samples or outcrops.
  - D. Select PIN and select either Pin or No pin mode
  - E. Select "Back to menu" to return to the main menu
- 1. Select Scanner

Before proceeding with the measurements, ensure that the meter is position in a free air space void of all metallic objects.

There are two steps involved in the **Scanner** process. The first step is a free air measurement; the second is the sample measurement which will last for 120 seconds unless stopped with the use of  $\overline{SBPV}$ .



- **Step 1:** With the KT-10 S/C in free air, use **SBP** to start the **Scanner** process. Soon after you will hear a short
  - • sound indicating the free air measurements are complete and that the meter can be positioned on the sample.



**Step 2:** Begin to move the KT-10 S/C along the surface you wish to scan. The meter's loud speaker will indicate the relative intensity of the reading by the pitch of the audio.

- Place a marker in the data set with **SBP**
- Use **SBP** at any time during the scanning process to end scanning.
- 2. Storing a record

**LPB** will quickly store a reading

