The 6412 SDI-12 Tester is a portable unit which simplifies the set up and fault finding of SDI-12 sensors in the field and on the laboratory bench. It allows sending a variety of commands enabling sensors to be configured and read.

The 6412 also enables monitoring communications between a logger and sensor(s) on an SDI-12 bus.

It comes with PP3 9V alkaline battery, which should be removed prior to long periods of storage to prevent damage from leaking flat batteries.

**FUNCTIONS**

- **MONITOR BUS**: The instrument passively monitors any commands or data on the SDI-12 data bus and displays it to the LCD.
- **QUERY ADDRESS**: Interrogates a sensor to acquire its address.
- **ACKNOWLEDGE ACTIVE**: Interrogates a sensor to ascertain its active status & address.
- **CHANGE ADDRESS**: Assigns a new address to a sensor.
- **SEND IDENTIFICATION**: Interrogates a sensor and reads its identification data.
- **START MEASUREMENT**: Commands a sensor to commence a measurement cycle.
- **SEND DATA**: Commands a sensor to return measurement data.
- **SEND EXTENDED COMMAND**: Sends extended and custom commands to a sensor.
- **CYCLICAL MEASURE & SEND DATA**: Repeatedly instructs a sensor to measure and return data. This is useful for checking and calibrating sensors.

**SPECIFICATIONS**

**PHYSICAL SPECIFICATIONS**

- **MATERIAL**: ABS IP61 Sealed fire retardant enclosure
- **SIZE**: 170mm x 80mm x 30mm (LxWxH)
- **WEIGHT**: 250grams
- **OPERATING TEMPERATURE**: 5°C to 55°C. Not affected by humidity
- **BATTERY**: PP3 9V Alkaline
- **BATTERY LIFE**: Up to 120h continuous usage