Claims

1. A smart measurement device (100) comprising:

a case (1);

a printed circuit board (6);

a switch (2)/(5) arranged on a side of the case (1), the switch (2)/(5) includes an on position or an off position;

at least one universal port (3a)/(3b)/(3c)/(3d) arranged on a side of the case (1);

a display (4) for presenting an information, the display (4) is arranged in the printed circuit board (6) and exposed from a front side of the case (1);

a wireless communication device which is linked to a smart device;

a machine readable device arranged in the smart measurement device (100);

wherein the smart measurement device (100) is magnetically mounted to a metallic surface which is close to at least one electrical connection point;

a micro controller (8) comprising a System-on-a-Chip (SoC) microcontroller with integrated WiFi and Bluetooth for enabling the functionality of a mesh Wifi networking and Bluetooth networking with one or more devices; and

wherein the at least one universal port (3a)/(3b)/(3c)/(3d) is configured to facilitate probe installations of jack at one end, and of magnetic probes, alligator clips, or lug terminations at another end of a device under measurement.

2. The smart measurement device (100) as claimed in claim 1, wherein the wireless communication device is configured to transmit data across a wireless communication set-up to a back-end server.

3. The smart measurement device (100) as claimed in claim 1, wherein the machine readable device comprises a firmware.

4. The smart measurement device (100) as claimed in claim 3, wherein the firmware is updated automatically, wirelessly, or over-the-air (OTA).

5. The smart measurement device (100) as claimed in claim 1, wherein the smart measurement device (100) is enabled through Internet-of-Things (IoT).

6. The smart measurement device (100) as claimed in claim 1, wherein the machine readable device comprises a non-transitory machine readable storage medium and a machine readable instructions that when executed by a processor, causes the processor to generate signals for measuring parameters of a device under measurement by the smart measurement device (100).

7. A method of measuring parameters comprising the steps of:

- receiving an electrical signal by a smart measurement device (100) from measurement probes;

- converting the electrical signal into numerical information through on-board electronics;

- storing the numerical information in a local data storage device;

- extracting the stored numerical information through machine readable instructions;

- sending the numerical information to a back-end server on a periodic basis;

- analysing or detecting of the machine readable instructions from the stored numerical information in comparison to a pre-defined rules of thresholds;

- sending notification or trigger by the smart measurement device (100) to the back-end server; and

-enabling a functionality of the mesh Wifi networking and Bluetooth networking with one or more devices using a micro controller (8) comprising a System-on-a-Chip (SoC) microcontroller with an integrated WiFi and Bluetooth; and

-configuring at least one universal port (3a)/(3b)/(3c)/(3d) for facilitating probe installations of jack at one end, and of magnetic probes, alligator clips, or lug terminations at another end of a device under measurement.