Claims

1 (Currently Amended). 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 ~~the~~ a front side of the case (1);

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

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 as claimed in claim 1, wherein the at least one universal port 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[[3]]. 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[[4]]. The smart measurement device (100) as claimed in claim 1, wherein the machine readable device comprises a firmware.

4[[5]]. The smart measurement device (100) as claimed in claim 3, wherein the firmware is updated automatically, wirelessly, or over-the-air (OTA).

5[[6]]. The smart measurement device (100) as claimed in claim 1, wherein the smart measurement device (100) is enabled through Internet-of-Things (IoT).

6[[7]]. 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[[8]] (Currently Amended). 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; ~~and~~

- 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.