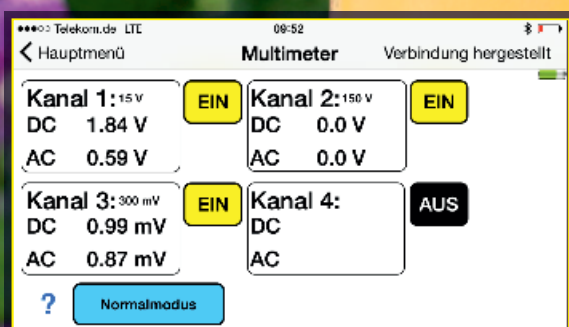


# CP Test Post Measurement Sensor iTS



After many years of proven performance, Steffel's PS2005 CP remote monitoring sensor has a smart, robust, compact and galvanically isolated successor, the new remote monitoring sensor **iTS**. The **iTS**'s extensive functionality means that users can now also integrate their measured data into third party systems or take advantage of the device's additional logger function. The **iTS**'s simplest application is standard threshold monitoring with call back function (e.g. to a mobile service phone) if a limit is exceeded. Bluetooth is used to configure this miniature sensor on site (either with a smartphone, a tablet application or the iCorrTool on a PC). The MS2010 CP Management System can be used to change the configuration at any time from the comfort of the office. Using the MS2010 CP Management System, the unit can be fully integrated as per German GW16, configured to carry out remote clocking separately or used to perform remote logging.



Multimeter via Bluetooth and Smartphone App.

## CP Test Post Sensor iTS Highlights

- 3 (optionally 4) measuring channels (both AC+DC in parallel)
- Measuring ranges (automatic)  
Channels 1+2:  $\pm 150\text{V}$ ,  $\pm 15\text{V}$ ,  $\pm 5\text{V}$   
Channel 3:  $\pm 1500\text{mV}$ ,  $\pm 300\text{mV}$ ,  $\pm 15\text{mV}$
- All channels independent and electrically isolated
- Up to 24 measurement times per day
- Communication via:  
GSM, IP, SMS or offline
- Time synchronization via GPS
- Compact dimensions (68x120x42mm)
- Integrated interrupter module
- Internal Logger (32GB)
- Configuration locally via Bluetooth or remotely via CP management software MS2010
- Access security (Bluetooth password)

**From users. For users.**



# CP Test Post Measurement Sensor iTS

## Technical Data

- 3 measuring channels (both AC/DC in parallel)
- **Measuring ranges (max. values; DC+AC)**  
(channels 1+2:  $\pm 150V$ ,  $\pm 15V$ ,  $\pm 5V$ )
- Measuring ranges (max. values; DC+AC)  
(channel 3:  $\pm 1500mV$ ,  $\pm 300mV$ ,  $\pm 15mV$ )
- **Resolution:**

at $\pm 150V$	<b>1mV</b>
at $\pm 15mV$	<b>1<math>\mu V</math></b>
- All channels electrically isolated
- **Optionally 4th measuring channel**
- Mobile-communication:  
GSM, IP, SMS or offline operations
- **GPS for time synchronization**
- **Measurement data transfer also possible to third party systems or mobile phone**
- Internal threshold monitoring
- **Integrated interrupter module (max. 2A), expandable (10A, 30A)**
- Internal logger up to 50ms (32GB)
- **Configuration locally via Bluetooth or remotely via CP management system**
- Runs on DC voltages from 8 to 24V (ideal for solar-powered units)
- **Dimensions approx.: 68x120x42mm (+plugs)**



## Further advantages

Being a compact device, the iTS is perfect for use in all types of test posts. Users can individually customize their systems thanks to the option of using between 8 and 24V to power solar test posts directly, or alternatively by using the lithium battery packs which we have available (approx. 3 years' operation when measuring once a day).

The image on the left shows an iTS sensor mounted inside a solar-powered test post.



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