

# CP Test Post Measurement Sensor iTS



Flexibility, easier access, recording and transmission of the measured values, values limit crossing indication, along with our improved measurement methodology are only some of the characteristics which define our new developed Test Post sensor (with a proven track record of more than 8 years). And all these come together in just one small device equipped with IP67 enclosure. Along with the communication modem, GPS and GSM mobile antennas are also integrated in the new **iTS**. A wide range of functions is available, including the possibility of sending data to external systems other than the main Management Software. The simplest application would be a limit value monitoring with feedback to warn failure.

Moreover, **iTS** provides a full integration with GW16 method of practice for remote programming and remote clocking, in conjunction with the known CP Management System MS2010.

## CP Test Post Measurement Sensor iTS Highlights

- 3 (optionally 4) Measurement Channels ( both AC+DC in parallel)
- Measuring ranges (automatic):  
Channels 1 /2:  $\pm 150V$ ,  $\pm 15V$ ,  $\pm 5V$   
Ch. 3:  $\pm 1500mV$ ,  $\pm 300mV$ ,  $\pm 15mV$
- Potentially separated / independent channels (potential-free)
- Up to 24 measurements per day
- Communication via:  
GSM, IP or SMS
- Internal GPS for time synchronization
- All antennas included
- Integrated interrupter module
- Internal Logger (16GB)
- Configuration locally via Bluetooth or remotely via CP management software

**From users for users.**





# CP Test Post Measurement Sensor iTS

## Technical Data

- 3 measuring channels ( both AC/DC in parallel)
- **Measuring ranges (automatic)**  
(Channels 1 /2:  $\pm 150V$ ,  $\pm 15V$ ,  $\pm 5V$ )
- Measuring ranges (automatic)  
(Channell 3:  $\pm 1500mV$ ,  $\pm 300mV$ ,  $\pm 15mV$ )
- **Resolution:**     **at  $\pm 150V$**      **1mV**  
                          **at  $\pm 15mV$**      **1 $\mu V$**
- All channels potentially separated
- **Optionally 4 measuring channels**
- Mobile-communication:  
GSM, IP and SMS operations
- **Internal GPS for time synchronization**
- All antennas integrated
- **Measurement data transfer is possible also to foreign systems or mobile phone**
- Internal limit points control
- **Integrated interrupter module (max. 2A, expandable)**
- Internal Logger (16GB)
- **Configuration locally via Bluetooth or remotely via CP central software**
- Direct operation on DC voltages from 5-20V (ideal for solar powered units)
- **IP67**

## Practical Advantages

Being a small compact device, iTS fits easily in all types of Test Posts. As there is no need for extra external antenna, it also makes the installation much easier in a very short time. The possibility of applying solar powered measurement Test Posts with voltages from 5 to 20V directly or alternatively using available lithium battery pack (for life spans of at least 3 years with daily measurement), provides users flexibility in their CP system monitoring design.

The image on the left shows an iTS unit mounted inside a solar powered monitoring Test Post.



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