

With the ISM2010 system family, Steffel set the new standard in data acquisition, communication and remote control in the field of cathodic corrosion protection.

Continuous accessibility, individual ways of communication (e.g. cell phone, LAN, ISDN, analog).

The ISM2010 shows its enormous flexibility even in the local cathodic protection (LCP) and the expandable modular design and the potential-free measurement channels made the ISM2010 the forerunner in metering and control of modern CP projects. Smart technology - made in Germany.

## Integrated Station Module Highlights

- wide range of input voltages (8-32V DC) e.g. for solar station or AC drainages, opt. system power supply
- 3-35 potential-free measuring channels, each DC (bipolar) + AC in parallel
- internal, configurable RTC (RealTimeClock) clocking module, optional DCF-77 or GPS time sync.
- CP-Remote Monitoring & Control
- compact design (approx. 160x80x55mm)
- optional value output to Profibus DP

## The Allround-Talent.

The measuring channels of the ISM2010 all deliver accurate AC & DC values with the best configurable AC filters. The direct connection to our remote controllable T/R units offers not only big cost-savings, but also the exact adjustment or regulation of your CP values within the same system. No matter if you upgrade existing T/R's by replacing the rotary knobs with our stepmotor sets, use new stepmotor T/R units or our electronic T/R units. By using our CP Management Software "MS2010", secured access to all your CP data and remote control is easy. When installed on a web server, an internet connection and a browser on your notebook, tablet or smartphone is all you need to access it, even on site.



## Product information

# CP Station Module ISM2010



### Example inside a remote-controlled 30V/1A CP cabinet.

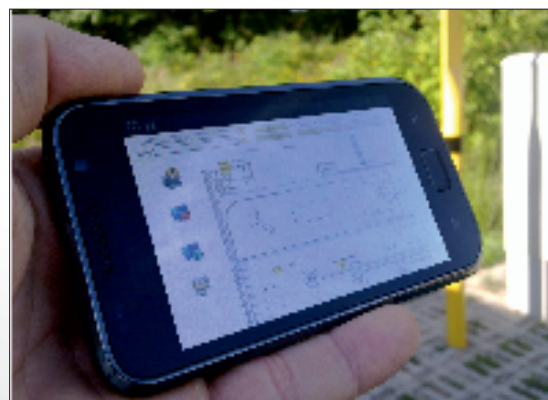
Power supply, ISM2010 and a remote controllable transformer/rectifier unit.

(Up to 4 extension modules can be connected to the system bus of one sensor. Additionally up to 8 remote control T/R units!)

### More Highlights:

- Configurable relay output for alarms or messages.
- Logger function:  
Start individual logs of 1 or 2 free configurable tracks (sample rate 1s to 60s) in parallel to the standard measurements from your office to temporarily have a closer look.
- Extension modules, each with 8 slots for individually expanding the system up to 35 potential-free measuring channels.
- Remote control of up to 8 remotecontrollable T/R units in one ISM!
- Profibus DP module available.  
Providing CP measurement values for external PLC systems via field bus module.

Technical Data	
Housing	electronics housing, Wall- and DIN rail mountable
Measuring ranges	DC (bipolar) and AC in parallel (1x 200mV   2x 150 V) efficient, configurable AC Filters (> 80dB at 16 2/3Hz) (each unit may be upgraded to up to 35 measuring channels)
Communication	RS232 interface   individual types of modems (Mobile, analog, ISDN, Ethernet,...), opt. ext. display
Configuration	local: service software remote: web interface of Steffel's CP Central (MS2010)
Outputs	direct remote T/R control individually configurable output of up to 48 values on a field bus (via optional Profibus DP module)
Time synchronisation	internal RTC (RealTimeClock), opt. DCF- or GPS synchronisable
Memory	2MB archive memory (cycle 1 min. to 1 day), separate memory for Logger (sample rates 1s - 60s)
Power supply	8-32V DC (ideal for solar powered stations for example) or with our system power supply
System extension	extension modules (each with 8 slots for individual measuring cards)
Measurements	160 x 80 x 55 mm
Connectors	screwable 0,75 mm, plugs



Direct access - depending on configuration e.g. even mobile via smartphone

### RECOMMENDATION:

Our devices internally have a fine protection for saving the measuring technology at moderate overloads.

But Steffel always recommends installing the usual coarse protection against atmospheric discharges.



Kathodischer Korrosionsschutz

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