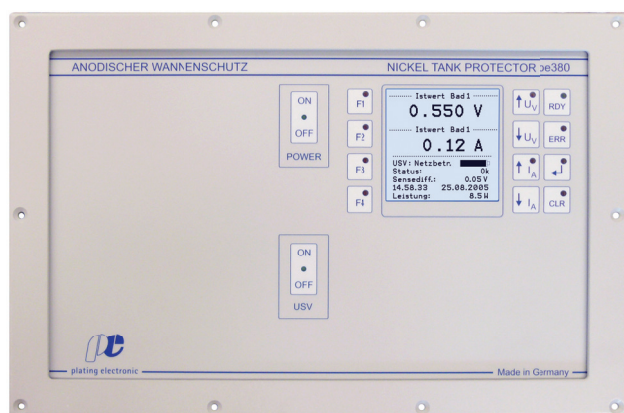


Output power:	pe380-5:	0,001V - 2,000V / 0,01A - 5,00A
	pe380-10:	0,001V - 2,000V / 0,01A - 10,00A

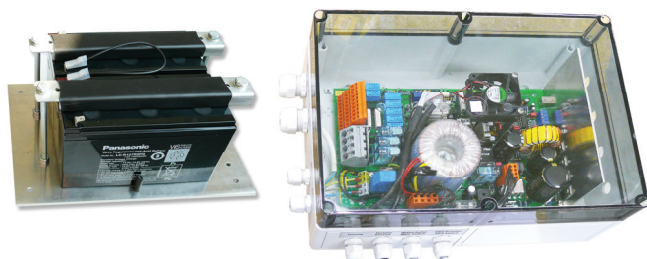
Uninterruptible anodic tank protection to avoid self-galvanization of the plating tank and equipment at metal disposition without external current



pe380 in plastic casing for wall mounting



pe380, front panel for control panel mounting including frame



pe380, control panel mounting components :
UPS-battery, PCB in protective housing

Characteristic values

Linearity inaccuracy < 1%

Ripple less than < 1%

Automatic re-adjustment of the protection potential

Large illuminated graphic display, showing the following parameters:

- Output voltage, resolution 1mV
- Output current, resolution 10mA
- UPS: Mains operation or battery operation
- Capacity of rechargeable battery
- Status: ok/error
- Sense differential mode voltage display (determined sense voltage difference)

All errors and status-messages are shown in plain text

Permanent short circuit and open circuit proof

Over temperature protection

Mains interference suppression: according to EN55011

Ambient temperature: U = 0 ... +35°C

Protection grade: IP54

Menu languages: English, French, German

Mains supply: standard 230V +/- 10%, 50 ... 60Hz / 0,5A max. (other voltages on request)

Colour: RAL 7035

Dimensions (W x H x D): 370 x 318 x 160mm

Weight: 11,5 kg incl. Battery

Additional technical characteristic values

Uninterruptible power supply (UPS) - internal rechargeable battery: 24V (2 x 12V) / 7,2Ah

Fine adjustment of the protection potential via Up/Down-keys

Pre-set of the current monitoring threshold from 0,01 A up to nominal current

Switching between "bath 1"/"bath 2", manual or via 24V remote controlled with automatic sense-switching "bath 1"/"bath 2"

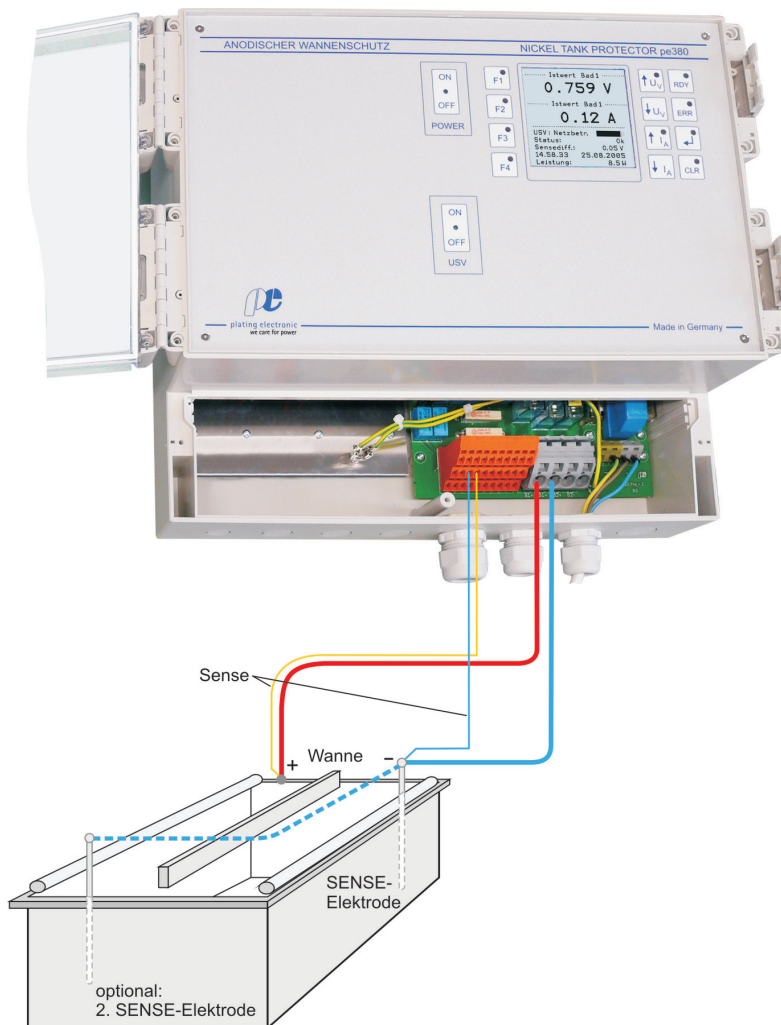
Error relay for external alarm devices

Internal self-test routine

EMV: EN50011 class A, group B ; EN61000-6-4 and EN61000-6-2;
CE-conformity low voltage guide line: EN50178

Technical equipment, design and features: subject to change! For further information please contact plating electronic GmbH.

Uninterruptible anodic tank protection to avoid self-galvanization of the plating tank and equipment at metal disposition without external current.



pe380, example, wiring with a tank

pe380 is designed for working at one active plating bath, it can also be connected to two baths.

When two baths are connected the switchover from bath 1 to bath 2 is carried out via control inputs on terminal X3 or using the operation menu.

The corresponding SENSE input is switched automatically.

Beside compensation of the voltage drop of the cables to the tank using the SENSE input the bath condition and the contacts can be monitored.

Warning and status messages are generated on deviations on limiting values of set and actual values.

Optional functions:

Xenon flashlight for easily visible alarm indication

RS485 or PROFIBUS interface

Also available as a built-in unit for control panel mounting

Status messages / warning messages:

- unit runs on battery: UPS operation
- internal temperature high
- capacity of rechargeable battery below 40%

When starting the unit with voltage set value below 0,4V the warning message "The adjusted voltage is very low!" will be displayed

SENSE differential mode voltage display (determined Sense voltage difference)

Graphic display of rechargeable battery capacity

Error (alarm) messages:

- Over current (I-actual exceed limiting value, permanent relays assignment)
- SENSE voltage out of limit
- Internal temperature error. (DC Output is turned OFF! Unit will automatically be turned ON after temperature is with specified limits)
- rechargeable battery capacity is below 20%
- Battery voltage is below 18,5V in USP operation. DC output has been switched OFF

Beside of error message "over current" all other error messages can be assigned to relays contacts (dry contacts)

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