

# MEASUREMENT TOOLS

## TO MASTER YOUR

# ELECTROLYSIS PROCESS

We develop specific products for **ALUMINIUM INDUSTRY**

### YOUR REQUIREMENTS

Aluminium sector is a very demanding industry which requires specific instrumentation for safety and measurement. Alumina and magnetic fields generate a difficult and risky environment. Therefore, being well equipped is mandatory.

### OUR SOLUTIONS

- Products designed for aluminium industry specifics
- + 30 years of aluminium industry expertise
- Tested and validated in real industrial conditions
- Resistant to alumina and magnetic fields
- Accurate up to 0.05%, stable up to 15ppm
- Most of products are smart-grid compliant

### PRODUCTION



PORTABLE TOOLS FOR  
CURRENT & VOLTAGE MEASUREMENT

### MONITORING



CURRENT & VOLTAGE TRANSMITTERS  
FOR PROCESS MONITORING

### MAINTENANCE



CONTROL AND ALERT SYSTEMS  
FOR SAFETY AND MAINTENANCE



## PRODUCTION | Portable tools for current & voltage measurement

Cathodic distribution	<b>EDP + PARC</b>	Portable data recorder + Amperometric clamp
Cathodic drop	<b>SMCC</b>	Probe for Cathode Voltage Drop Measurement
Anodic distribution	<b>CIRA2</b>	Anodic distribution measurement stick
Anodic distribution	<b>CMRA + VMRA</b>	Anodic distribution measurement stick + Millivoltmeter
Anodic distribution	<b>EDP + PARA</b>	Portable data recorder + Amperometric clamp
Anodic distribution	<b>CCTC</b>	Anodic voltage distribution measurement
Temperature control	<b>EDP + SENSOR</b>	Portable data recorder + Temperature sensor

## MONITORING | Current & voltage transmitters for process monitoring

Chisel bath contact detection	<b>DCP</b>	Chisel bath contact detector
Chisel bath contact detection	<b>4DCP1M</b>	Chisel bath 4 contacts detector
Converter	<b>CTFP</b>	Accurate Voltage / Frequency converter
Converter	<b>CPA3</b>	Power converter
Converter	<b>CTF</b>	Voltage / Frequency converter
Converter	<b>CFT</b>	Frequency / Tension converter
Signal amplifacator	<b>MAS</b>	Booster module
Safety alert	<b>IEA</b>	Anodic Effect Indicator

## MAINTENANCE | Control and alert systems for safety and maintenance

Safety alert	<b>LF3-4AH</b>	Maintenance alert indicator
Voltage measurement	<b>MCVC3L</b>	3 Thresholds voltage measurement
Voltage measurement	<b>CHT IEC + VNAC3K IEC</b>	High voltage rod + Safety voltmeter IEC 61850
Voltage measurement	<b>DAA</b>	Autonomous threshold warning device
Pre-production test	<b>CAFD</b>	Control Cabinet
Pre-production test	<b>SMC - SML</b>	Simple probes for voltmeter
Pre-production test	<b>TPF</b>	Ammetric clamp and fluxmeter tester

## RESEARCH & ANALYSIS | Tools for testing and improving processes

Cathodic distribution	<b>EDP + PARC</b>	Portable data recorder + Amperometric clamp
Cathodic distribution	<b>CCRC</b>	Cathode current distribution controller
Resistivity measurement	<b>REG11</b>	Resistivity meter
Permeability measurement	<b>BTPERM</b>	Permeability test bench
Ammetric clamps test	<b>BTPAR</b>	Ammetric clamps calibration and test bench