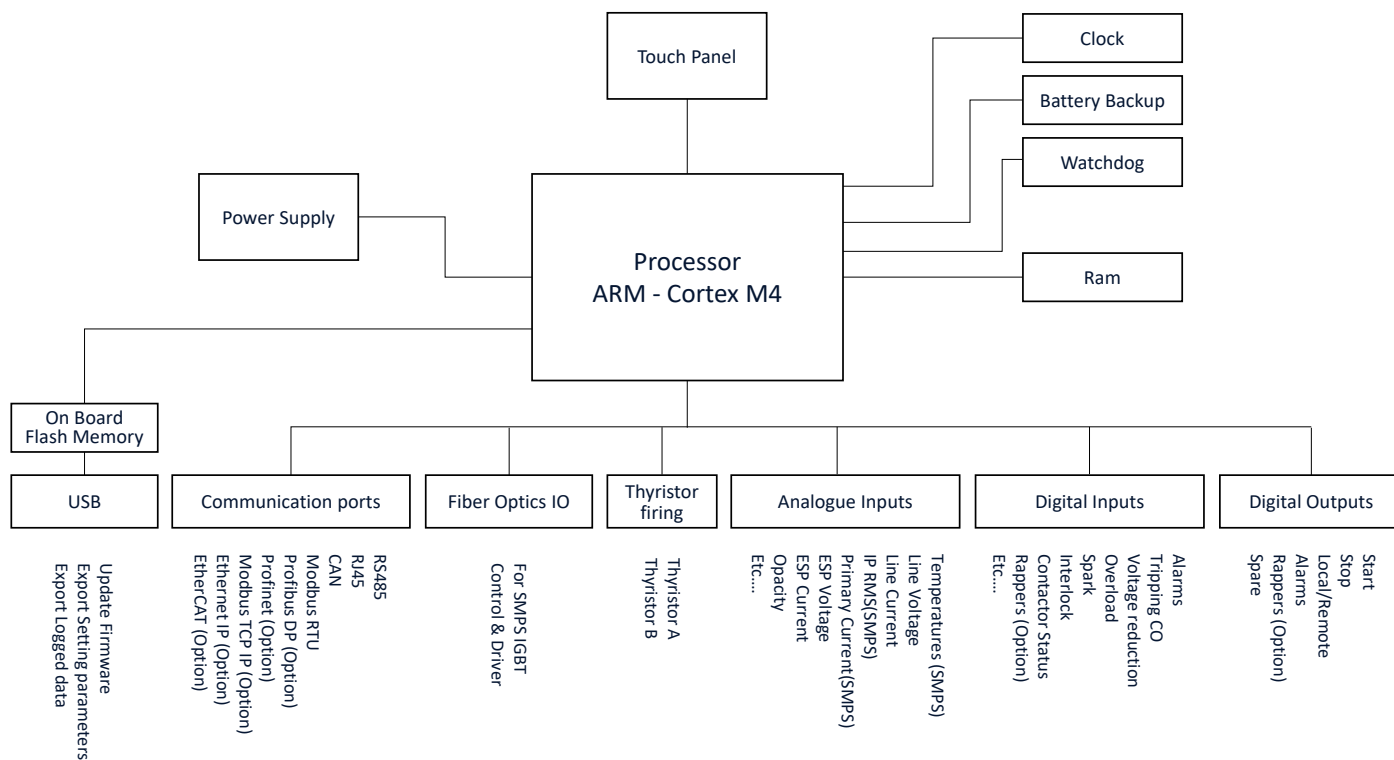**KRAFT POWERCON**

MicroKraft ④

Automating ESP operation using modern controller logic

Tougher legislation forces industry to reduce emissions from Power plants, Cement plants, Pulp&Paper, etc. With its high particle separation capability, an electrostatic precipitator (ESP) is vital to any producer's ability to meet the new regulations. Now, MicroKraft 4 from KraftPowercon makes your ESPs even more efficient by automatically optimizing the performance based on the actual operating conditions.

CE   ISO 9001

FEATURES

NEW	SmartESP™: Automatic Control of ESP Power supplies parameters based on ESP performance	**NEW**	Remote monitoring via variety of communication protocols as well as Internet
NEW	All in one Hardware to control Single, three Phase or HF ESP power supplies	**NEW**	Support most of industrial communication protocols
NEW	V/I Curve function	**NEW**	Datalogger function
NEW	Basic oscilloscope function	**NEW**	Export data, setting parameters and oscilloscope waveform to the USB flash memory
NEW	Bootloader and upgrade firmware via USB	**NEW**	SoftPLC/DAQ function. No limit of customized IO number.
	Intermittent Energization Mode "IE"		Individual program can be saved for different setting
	Spark Control		Support more than 14 languages per request
	Back Corona Control		CO and Voltage reduction
	Rapper Control		Opacity Control
	Control mode in both Voltage and Current		Auto-Restart function

TECHNICAL SPECIFICATION

Power Input	24V DC -15% / +10%
Input/Output signals	INPUTS 13 analog input 18 digital Input OUTPUTS 9 relay interface 2 Opto interface 2 BNC for measurement 1 RJ45
Environment	Temperature -40°C to +40°C Humidity 5% R.H to 85% R.H
Controller Dimensions (LxWxH)	210mm x 160mm x 45mm
Processor	Core: ARM® 32-bit Cortex®-M4 CPU
Data Storage	On board Flash memory 2 USB ports
RTC (real time clock)	
Display	Color Touch Panel 7 inch IP65 sealing front
Battery backup	

BLOCK SCHEMATIC DIAGRAM

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Specification is subject to change without notice