




SUPREMATouch Enhancements

Features & Benefits



Features	Benefits
General	
Compact modular design.	Requires fewer cabinets and allows space saving installation 
Decentralised configuration	The use of satellites saves installation cost because of minimized wiring requirements 
Digital bus technology (Profibus & Modbus)	Offers reliable and most customary communication to external bus systems
Checkbox selection on display	Easy and fault-free handling without programming skills
3 system power supplies	Ensures uninterrupted system operation by automatic switchover to backup supply
Touchscreen with new menu structure	Intuitive operation in interaction with the system
Approvals	
Type examination certified	Customer does not need to individually type approve his installations
SIL3 & ATEX	Best in class and safest gas controller system in industry
New software features	
Input card MAI30 Pellistor, transmitter, fire and switch input on one board	Reduces number of components as sensor specific plug-on modules are not needed anymore One version to operate all sensor types Easy transfer from passive to active sensor 
Supports HART	Offers the performance of remote calibration Supports parameterisation of measuring points
SPI mode for backwards compatibility	Makes new SUPREMA parts work with old SUPREMA Touch system
Compatible	Easy upgrade to existing system saves material and wiring cost

SUPREMATouch Enhancements

Features & Benefits


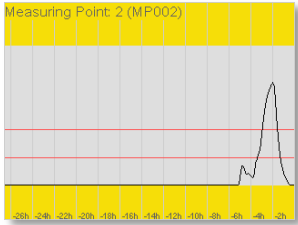
<p>Extension of switching logic Point-based voting possible Additional logic levels Time Delays</p>	<p>New complex logic structures enables the use of the SUPREMATouch in new areas</p> <p>Cost saving as less wiring is necessary (usually cabling from relays to input; now linkage to software)</p> <p>Quick and easy change</p> <p>Time delay reduces false alarms</p>
<p>Reset and acknowledge for single measuring points and groups of measuring points</p>	<p>Saves time (usually reset of alarm was only possible for the whole system) and reduce costs because overflows can be acknowledge and reset serially</p>

Features	Benefits
New hardware	
<p>Rack improvement to pass new EMC, LVD & ATEX regulations</p>	<p>Ensures safe operation</p>
<p>New MST 20 to replace MST10 USB and Ethernet added</p>	<p>Updated and improved communication</p>
<p>More efficient power supply (now 250W, instead of 150W)</p>	<p>Bigger installations now possible without external power supply which is a cost saving</p> <p>More transmitters connectable on one rack</p> <p>Less heat development and less dissipation</p>
<p>New analogue input module MAI30 (replacing MAI20+MCI/MPI) MAR30 (replacing MAR10) HART-support (MHS30)</p>	<p>Reduction of replacement parts, reduced stock, easier ordering</p> <p>No need to decide at ordering which type detector to be installed</p>
New additional calibration options	
<p>Remote calibration – with HART option</p>	<p>Calibration for transmitters in hard accessible areas</p> <p>Easy status check and maintenance</p> <p>No additional tools for calibration necessary</p>
<p>One man calibration</p>	<p>Reduction of personnel resources (second person not needed as system applies values automatically)</p>
<p>Group calibration Up to 32 measuring points (must have the same unit and range)</p>	<p>Reduces time and facilitates calibration process of bigger systems</p>

SUPREMATouch Enhancements

Features & Benefits



Features	Benefits
Further enhancements	
Time synchronization (due to Ethernet support)	Entries in logbook easier to compare
Micro SD card support	Offers the option to store a backup of the configuration In case of an incident, evidence over performance of the system 
Support of chart view	Visualization of value over the last 24 hours Simple way of recognising the exact nature of an incident 
SUPREMA Manager	
Simple and comfortable parametrization of measuring points	Saves time Can be initiated offline; consequently settings are possible before the controller goes onto the system of the plant
Issues reports for documentation (e.g. reports on calibration, alarm and failures; overview on calibration and parameterisation of the whole system)	Facilitates fulfilment of obligatory documentation
Visualizes the complex relay logic with an easy understandable graphic	Easy overview and therefore enables to better comply with necessary changes
SUPREMA Calibration Software	
Issues detailed reports into Word, pdf or Excel based on certain criteria	Easier process of documents inside a company
Enhanced Calibration options	Several measuring points to be calibrated at the same time

