

WHY should you upgrade your old system?



Hardware ages and within the life cycle of a product the probability of failure increases.

Systems ordered 10 years ago are now at the end of their life cycle and would not comply with today's safety standards relevant to your plant and personal protection.

Although faults and alarms will still be signaled, an increase in false alarms is likely.



Therefore, we strongly recommend that you upgrade your old systems NOW to the new input card MAI30!

Learn how you can maximize the safety for your workers by easily upgrading your old systems. Be protected against any interruptions or inconveniences!

Your advantages when using the latest SUPREMATouch



Switching from the former system to our new input card gives you many advantages. Beyond saving operating costs, the new system will decrease the manual work and provide a modern and intuitive new design.

Main advantages



REDUCED COST OF OWNERSHIP

- Probability of failure reduced
- Fewer plant shut-downs
- New automated functionalities replace manual labour
- Calibration options reduce time and work



EASE OF USE

- New intuitive touchscreen allows fast system configuration
- No programming skills are necessary
- One input card (MAI30) for all variations of measuring points
- Not necessary to stock various input cards



GREATER MODULARITY

- Seamless integration of detectors
- Flexible per configuration menu setup for
 - ✓ X5000 or any other 4-20mA transmitter
 - ✓ Series 47K or any other mV passive sensor
 - ✓ Smoke detectors
 - ✓ Manual call points



HIGHEST SAFETY STANDARDS

- Complies with the latest safety standards
- ATEX (EN 50271, EN 50104, EN 60079-29-1)
- SIL 3 (IEC 61508)
- CSA (*pending*)
- DNV-GL
- EAC (*pending*)

How to upgrade your existing SUPREMA system

A minimum of hardware components needs to be exchanged. A few steps are needed for the software update. Please contact your MSA representative for a quotation.

Upgrade SUPREMA with SUPREMATouch				
Material exchange			SUPREMA (blue) to NEW SUPREMATouch	SUPREMATouch MAI20 to NEW SUPREMATouch
Central Processing Unit (MCP10) Display & Operating Unit (MDO10)	replace with	Upgrade Kit (MCP20, MDO20, MDC20)	X	
Output/relay blocks (MGO10 & MAO10)	replace with	MGO20 & MAO20	X	
Data acquisition module (MDA10)	remove		X	X
Input card (MAI20)	replace with	MAI30	X	X
System terminal (MST10)	replace with	MST20	X	X
Service setup				
Transfer and convert configuration			X	X
FW upgrade				X
Calibrate passive sensors			X	X
Site acceptance test			X	X

Ordering Information

Material number	Description
10123101	Upgrade kit
10083804-SP	MGO20
10102071	MAO20
10151719-SP	MAI30
10104584-SP	MST20
For redundant systems:	
10123102	Upgrade kit redundant
10151720-SP	MAR30
To use all new HART support functions:	
10151731-SP	MHS30
To use new acknowledgement + reset commands:	
10170299-SP	MGI30

For further information please contact your local MSA affiliate or visit [MSAafety.com](https://www.MSAafety.com).