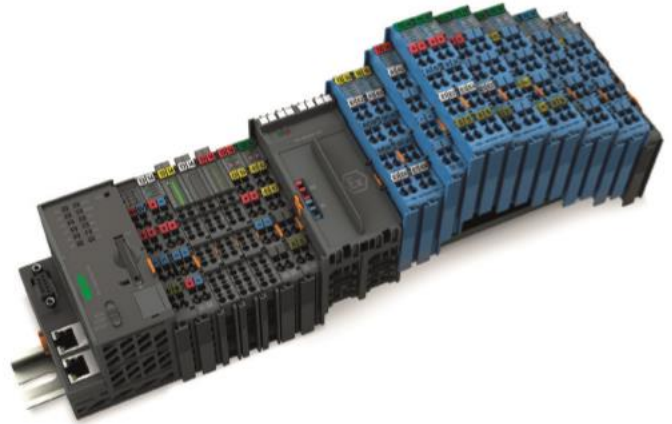


New Dimensions in Automation – Intrinsically Safe from -40 to $+70^{\circ}\text{C}$

With its 750 XTR Series of products WAGO offers a solution that broadens the range of use for machines and systems with regard to environmental conditions and external interference factors, while providing the highest degree of flexibility. At temperatures from -40°C up to 70°C , vibrations up to 5g, operating altitudes of up to 5,000 m above sea level or enhanced immunity to electromagnetic interference and other interference as per EN60870-2-1: Starting in July 2017 the 750 XTR Series will also be available for hazardous areas.



The new WAGO I/O-SYSTEM 750 XTR is not only suitable for use in temperature ranges from -40 to $+70^{\circ}\text{C}$, but also enables the signal transmission in potentially explosive atmospheres

The WAGO-I/O-SYSTEM 750 XTR can be used either outside of hazardous areas and within zone 2/22 inside an approved enclosure. All modules have ATEX/IECEX approval for use in zone 2/22. Besides the standard signals from the sensors and actuators from zone 2/22, intrinsically safe sensors and actuators from zones 0/20 and 1/21 can also be integrated via the I/O modules in the blue enclosure.

Intrinsically Safe in Extreme Conditions

The XTR in the module designation stands for “eXTReme” ambient conditions. The permissible ambient temperature range of -40°C to $+70^{\circ}\text{C}$ enables the modules to be used in any climatic zone without having to provide additional protection with air conditioning or heating systems. The module’s immunity to interference and electromagnetic interference even permit it to be used in medium-voltage systems, while its extreme vibration and shock resistance allow it to be used in rail vehicles and to be installed in marine diesel engines. All of the circuit boards are coated with protective varnish, to safeguard the power electronics and conducting tracks against short-term condensation.

This linking of requirements for intrinsic safety and resistance to extreme ambient conditions makes the WAGO-I/O-SYSTEM

750 XTR a special asset for systems in the oil and gas industry in the upstream sector (extraction, processing), as well as in the downstream sector (transport, refining) and for outdoor systems exposed to extreme climatic swings. The WAGO-I/O-SYSTEM 750 XTR functions not only as a purely remote I/O system, but also offers a versatile, future-oriented and reliable control system with the high-performance PFC200 XTR Controllers