Rugged Design: The WAGO-I/O-SYSTEM 750 XTR

In harsh environmental conditions, additional air-conditioning systems and special protective circuits drive up automation technology costs. This is not the case for the extremely robust WAGO-I/O-SYSTEM 750 XTR. Boasting twelve new components, the XTR Series is now even more versatile and ready for renewable energy systems and local area networks.

Designed for extreme environments: The WAGO-I/O-SYSTEM 750 XTR is versatile and can, for example, be used in renewable energy systems

The WAGO-I/O-SYSTEM 750 XTR combines the benefits of the successful WAGO-I/ O-SYSTEM with the with key features for extraordinary dependability in tough environments:

These include extreme resistance at temperatures from -40 °C and +70 °C, immunity to interference up to 1 kV (< 60 V, Class VW1) and 5 kV (≥ 60 V, Class VW3), as well as vibration resistance up to 5g. The system requires minimal space and is distinguished by low energy and maintenance costs. These benefits, along with incredible system uptime, increase productivity

Controller PFC200

The core product of the WAGO-I/O-SYSTEM 750 XTR is the compact, high-performance PFC200 with a real-time-capable Linux® operating system. Even the interfaces are compelling. The 750 XTR Controllers are available in two versions with different numbers of communication interfaces: either two ETHERNET connections and an RS-232/RS-485 interface or two ETHERNET connections, RS-232/RS-485, CAN, CANopen and PROFIBUS DP Slave interfaces. With the PFC200, users have the option of planning their projects using the e!COCKPIT Engineering Software in a CODESYS 3 environment or via WAGO-I/O-PRO in the CODESYS 2 environment. Both versions of the PFC200 are also available for the 750 XTR Series as telecontrollers that support DNP3 in addition to the IEC 60870-5-101, -103 and -104, IEC 61850, IEC 61400-25 telecontrol protocols. The telecontrol versions have only been configured in a CODESYS 2 up to now. The PFC200 Telecontrollers also command IPsec and OpenVPN to comply with the highest security standards. Featuring SDHC memory, the fan- and battery-free PFC200 is maintenance-free and extremely robust.

3-Phase Power Measurement Module

The 3-Phase Power Measurement Modules expand the application range of the WAGO-I/O-SYSTEM 750 XTR. It is available for the 750 XTR Series in three versions: for measuring using current transducers at a maximum measuring current of 1 A or 5 A, as well as for measuring with Rogowski coils. All relevant measured values (e.g., reactive/apparent/effective power, energy consumption, power factor, phase angle, frequency, over-/undervoltage) are transmitted directly into the process image without requiring high computing power from the controller. With this information and a harmonics analysis up to the 41st harmonic, the 3-phase power measurement module provides comprehensive network analysis.