New 8-Channel Analog Input Modules

Compact design, high levels of measurement accuracy: WAGO's three new 8-Channel Analog Input Modules in 2-wire technology expand the WAGO-I/O-SYSTEM 750.

WAGO's new Thermocouple Module and Analog Input Modules for 0–10 V and ± 10 V, as well as for 0–20 mA, 4–20 mA and 3.6–21 mA, ranges cleverly bundle eight channels into modules that are each a mere 12 mm wide. Every input for each I/O module can be configured individually via WAGO-I/O-CHECK software or fieldbus-specific device description files.

Eight channels in a width of just 12 mm: Two new analog input modules and a new thermocouple module stand out for their compact design and high levels of measurement accuracy.

8-Channel Analog Input Module for 0–10 V and ± 10 V

WAGO's 8-Channel Analog Input Module (750-497) records standard signals ranging from 0–10 V and ± 10 V. Both of these measurement ranges are individually scalable. Two-wire technology is used to connect the sensors. Each of the eight channels can be individually parameterized, allowing extensive diagnostics to be adjusted to suit user limits. To adapt to operating conditions, the analog input module supports user calibration.

8-Channel Analog Input Module 0–20 mA, 4–20 mA and 3.6–21 mA

The 8-Channel Analog Input Module (750-496) allows standard signals to be recorded for the following measurement ranges: 0–20 mA and 4–20 mA (standard), as well as 3.6–21 mA (NAMUR). These measurement ranges are also individually scalable to meet application requirements. In addition to filtering noise, user limits and many other diagnostics can be parameterized for each channel via software. To adapt to operating conditions, the bus module supports user calibration. For 2-wire sensors (loop powered), power is supplied by the analog input module for each channel. This eliminates additional costs related to potential duplication.

8-Channel Thermocouple Module

The 8-Channel Thermocouple Module (750-458) connects standard thermocouples (e.g., type I, C or K). Diagnostics, mV measurement and user-defined limits are also individually configurable for each channel. For the thermocouples

required temperature reference, internal and external cold junction compensation is included with the Thermocouple Module to neutralize unwanted cold junctions.