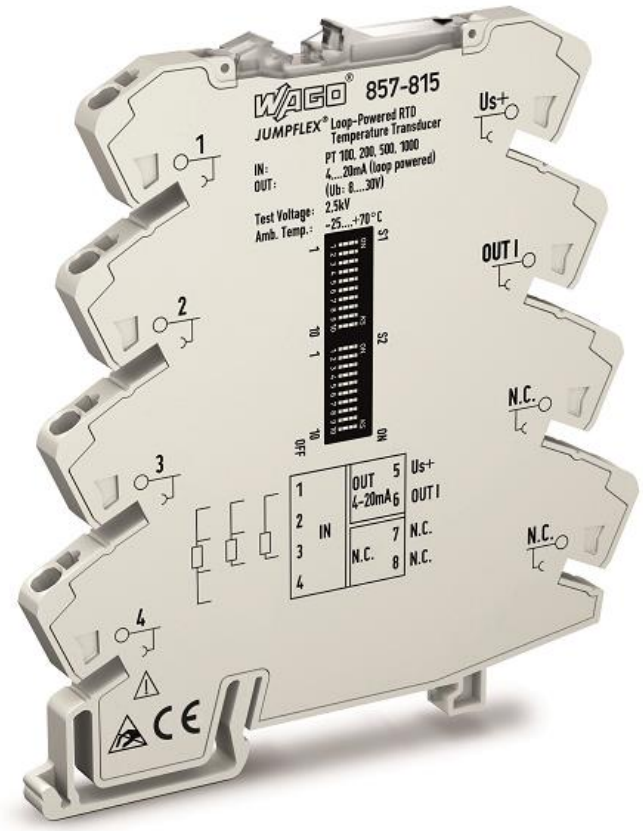
Four New Modules for Measurement Tasks – The JUMPFLEX® Family Expands

With its four new JUMPFLEX® Signal Conditioners, WAGO continues expanding its industry-proven JUMPFLEX® portfolio.

Housed in a 6 mm-wide package, the JUMPFLEX® 857 Series sets new standards for signal conditioners: the modules feature a common profile and allow the same flexible push-in jumpers to be used across the entire JUMPFLEX® line. WAGO's compact JUMPFLEX® Signal Conditioners are user-friendly and easy to configure using DIP switches or interface configuration software. They also offer a safe 3-way isolation with 3 kV test voltage per EN 61010-1 and an expanded ambient operating temperature range from −25°C to +70°C. Moreover, they can be easily marked with WMB and TOPJOB® S marking strips to clearly organize and label all control cabinet components. WAGO's new JUMPFLEX® family members also convince discerning engineers with:



Measurement solutions from a single source: The new JUMPFLEX® Signal Conditioners perfectly complement WAGO's existing portfolio

Easily Duplicating Signals

The two configurable current/voltage outputs of the 857-424 JUMPFLEX® Signal Splitter enable a variable doubling of the signals at the highest level of security. Disturbance variables are optimally filtered via switchable limiting frequency.

Recording Voltages

The 857-560 Voltage Signal Conditioner records AC and DC voltages up to 300 V AC/DC and converts the input signal into a standard analog signal at the output. In addition, it has a digital signal output (DO), which reacts to freely configurable measuring range limits. Switching the measurement method between the effective value (RMS) or arithmetical mean value can be performed via DIP switch or interface configuration software.

Measuring Power

The 857-569 Power Signal Conditioner permits parallel current and voltage measurement, conversion into power and output as analog standard signal. Measured variables, such as effective/ apparent/reactive power and phase

angle, are configurable via DIP switch or interface configuration software. Both power and voltage signal converter feature a digital signal output (DO).

Recording Temperatures

The 857-815 Loop-Powered RTD Temperature Signal Conditioner records Pt sensors and resistors up to 4.5 kOhm, converting the temperature signal into an analog standard signal on the output side. The 857-815 is supplied by an output loop and requires no additional power supply. The new signal conditioners add diverse capabilities to WAGO's JUMPFLEX® family, allowing WAGO to continue offering optimally tailored solutions from a single source.