

New Product News

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At Your Fingertips: IMAGO 500 JUMO's Innovative, Easy-to-use Controller

IMAGO 500 Multi-channel Process and Profile Controller

COATESVILLE, PA – JUMO Process Control, Inc. announces a new process and profile controller, the JUMO IMAGO 500. This innovative controller – with large, color screen – offers unprecedented flexibility and ease-of-use in a wide variety of industries. Among the typical areas of application are industrial furnaces, plastics industry, climate-controlled chambers, environmental simulation, heating and test chambers, industrial plant construction, and food processing industry.

Intuitive Interface. The JUMO IMAGO 500 is extremely operator friendly with its 100 mm x 134 mm back-lit color screen. Simple and intuitive operation is offered through the six instrument keys on the IMAGO 500. Easy-to-see presentation of pictures, symbols, texts and colors supports the operator prompting. The display can be modified to include company logos and process-specific images.

Modular Design. The housing, in the standard dimensions of 92 mm x 92 mm with eleven slots for the process inputs and outputs, has a modular design that permits easy and individual retrofitting.

Communicate. Since it includes two separate interfaces, the JUMO IMAGO 500 can transmit configuration parameters or program data and – at the same time – communicate with visualization software. This also means that it is possible to operate an external relay module, use the integrated modem function or exchange process data with a PLC via the PROFIBUS-DP interface.

Profile Control. All of the usual controller types and structures are stored in the controller module. Four independent controllers with eight parameter sets can be managed by the JUMO IMAGO 500, thus allowing complex control tasks such as cascade control. With a cycle time of 50 milliseconds, the instrument is highly suitable for fast control processes such as pressure control. Eight math and logic modules permit the integration of analog or digital values into mathematical or logic formulae that are available for various functions such as ratio/difference or humidity control.

Four profiles with 50 programs and a total of 1000 segments are available when the instrument is programmed as a profile controller. For each segment, there are eight control tracks that enable the switching of additional control devices, such as valves, vents, contactors, etc. Of course, functions such as cycle programming, tolerance monitoring and parameter set selection are also found in the IMAGO 500.

Process Control. For process control or operation, the instrument features 16 limit comparators (alarms) with eight different functions allowing for free definition of the monitored variable. Additional functions include switch-on/switch-off delay, pulse function or latching.

Additional Features. Further highlights of the JUMO IMAGO 500 are a recording function, graphical program display and an event list. In addition to the pre-defined screen templates, it is also possible to create a custom screen layout in the setup program that matches specific needs and is individually adapted to the particular type of plant.

More Information. For complete information and technical specifications, contact JUMO Process Control, Inc., 885 Fox Chase, Coatesville, PA 19320. Toll Free: 1-800-554-JUMO (5866); Telephone: (610) 380-8002; FAX: (610) 380-8009; Website: www.JumoUSA.com; Email: info@JumoUSA.com.

