



Control



Accurately and efficiently

Modern, microprocessor-based temperature controllers and control systems are no longer just used to control a parameter, they also have a wide range of process monitoring tasks to perform. For example, the response time of a temperature control system can appreciably influence the control accuracy of an entire control circuit.

The increasingly complex tasks are mainly being performed by intelligent, distributed control systems with a high level of basic functionality. They are also highly adaptable to allow such tasks as integration into the bus structure of a production system.

In addition the JUMO product portfolio ranges from transmitters to temperature monitors to multifunctional process and program controllers. This portfolio can provide devices for the complete measurement chain to support all your processes.

JUMO mTRON T – Central processing unit

Measuring, control, and automation system with controller module and input/output modules
Type 705000



JUMO mTRON T – Multifunction panel 840

Measuring, control, and automation system
Type 705060



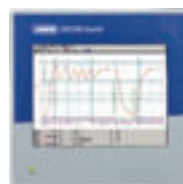
JUMO IMAGO 500

Multichannel process and program controller
Type 703590



JUMO DICON touch

2-channel process and program controller with paperless recorder and touchscreen
Type 703571



JUMO cTRON 04/08/16

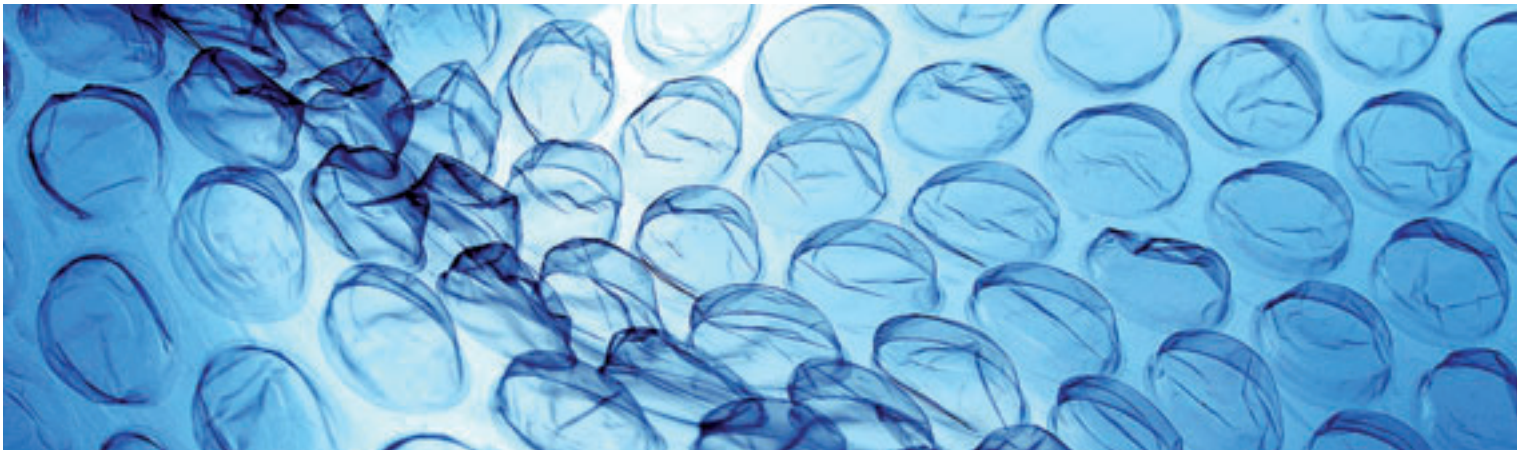
Compact controller with timer and ramp function
Type 702070



JUMO eTRON M

Electronic microstatat
Type 701060





Monitoring



Monitoring systems with electronic or electromechanical thermostats

Any deviation from the required temperature value directly affects the accuracy of the weight and size of the finished parts. Temperature monitoring is therefore a crucial factor in plastics processing. Monitoring the temperature in drying systems and temperature control units is particularly important.

In pellet drying systems the correct ratio between the temperature and the relative humidity has to be monitored to achieve optimum dryness. In temperature control units the prescribed temperature must be maintained. If the temperature is exceeded, the plastic pellets can be irreversibly damaged.

To prevent this type of irreversible damage JUMO can provide electronic or electromechanical thermostats to consistently monitor your system. This has the crucial advantage that – should the maximum system temperature be reached – the DIN EN 14597 compliant thermostats shut down to stay within safe parameters.

JUMO eTRON T
Digital thermostat
Type 701050



JUMO safetyM TB/TW
temperature limiter/temperature monitor
according DIN EN 14 597
Type 701160



JUMO safetyM TB/TW 08
Temperature limiter/temperature
monitor acc. to DIN EN 14 597
Type 701170



JUMO safetyM STB/STW
Safety temperature limiter/safety temperature
monitor acc. to DIN EN 14597
Type 701150



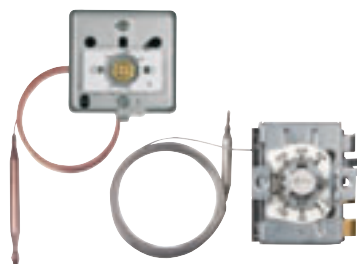
Surface-mounted thermostats
ATH type series
Type 603021



JUMO heatTHERM-AT
Add-on or room thermostat
Type 603070



JUMO heatTHERM
Panel-mounted thermostat
type series EM
Type 602021, Typ 602031



Bimetal temperature switch
Type 608301

