

Recorders



Paperless recorder JUMO LOGOSCREEN nt

- operating “turn & press” operation through a single control knob
- 27 counters/integrators
- web server with online visualization
- modular hardware concept:
 - up to 18 internal analog inputs
 - up to 24 internal binary I/Os
 - in addition, up to 24 external analog inputs and binary I/Os each, as well as up to 18 math and logic channels
- interfaces: RS232/485 (Modbus), ETHERNET, four USB port, RS232 (barcode reader), PROFIBUS-DP (option)
- batch reports: up to three batches can be recorded at the same time, independently of each other



further information: Data Sheet 70.6581

Paperless recorder JUMO LOGOSCREEN nt with stainless steel front

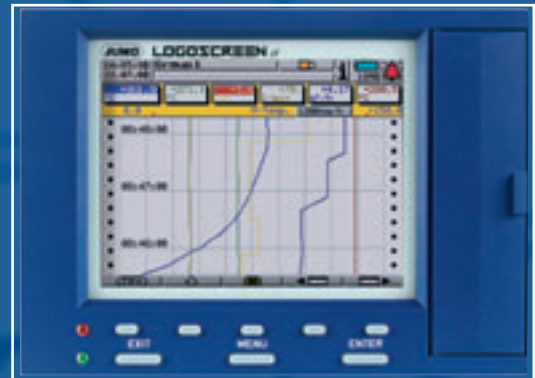
- Touch-Pad Operation
- Stainless Steel Front Frame with Safety Glass Screen
- ATEX-Approval for use in Zone 1
Ex-Marking: II 2G Ex px IIC,
II 2D Ex pD 21 IP 65
- 27 counters/integrators
- web server with online visualization
- modular hardware concept:
 - up to 18 internal analog inputs
 - up to 24 internal binary I/Os
 - in addition, up to 24 external analog inputs and binary I/Os each, as well as up to 18 math and logic channels
- interfaces: RS232/485 (Modbus), ETHERNET, four USB port, RS232 (barcode reader), PROFIBUS-DP (option)
- batch reports: up to three batches can be recorded at the same time, independently of each other
- Vibration Test to KTA 2505, for Applications in Nuclear Power Engineering



further information: Data Sheet 70.6581

Paperless recorder JUMO LOGOSCREEN cf

- six or twelve universal measurement inputs, electrically isolated, test voltage 500V, minimum sampling rate 125msec for twelve measurement inputs
- expansion to 36 measurement channels (mTRON, PROFIBUS-DP, Modbus)
- Ethernet interface
- data storage in internal memory and/or on CompactFlash® card (64 to 256Mbyte)
- life cycle archiving concept
- batch reports
- online connection to the SVS-2000N Process Visualization software
- configurable via modem or Ethernet interface
- bezel size 144 mm x 200 mm, depth behind panel 200 mm



further information: Data Sheet 70.6570

Paperless recorder JUMO LOGOSCREEN es

- six or twelve universal measurement inputs, electrically isolated, test voltage 500V, minimum sampling rate 125msec for twelve measurement inputs
- expansion to 36 measurement channels (mTRON, PROFIBUS-DP, Modbus)
- Ethernet interface
- data storage in internal memory and / or on CompactFlash® card (64 to 256 Mbyte)
- life cycle archiving concept
- batch reports
- online connection to the SVS-2000N Process Visualization software
- configurable via modem or Ethernet interface
- bezel size 144 mm x 200 mm, depth behind panel 200 mm
- stainless steel front (on request)
- designed for use with enhanced safety requirements
- special access control via user list
- data recording in compliance with FDA 21 CFR Part 11



further information: Data Sheet 70.6560

Paperless recorder JUMO LOGOSCREEN 500 cf

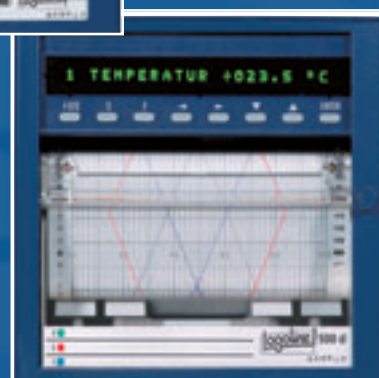
- 3/6 measurement inputs for resistance thermometer, thermocouple or standard current/voltage signals
- four binary inputs for the acquisition of operating states
- data storage on external CompactFlash® card (64/128/256Mbyte to 2 Gbyte addressable)
- RS232/RS485 interface
- Ethernet interface
- six freely configurable recording channels with Min./Max. limit monitoring
- six math channels with linkable formula input (sin(), cos(), sqrt()...)
- six integrator/counter/operating time channels for the evaluation of different recording periods
- teleservice/web server
- easy-to-use PC evaluation and configuration software



further information: [Data Sheet 70.6510](#)

Pen recorder JUMO LOGOLINE 500 / 500 junior / 500d

- bezel size 144 mm x 144 mm, depth behind panel 227 mm
- LOGOLINE 500 and 500 junior with scales
- LOGOLINE 500d with display
- self-aligning writing system with fiber pen
- one, two or three universal measurement inputs for thermocouples, resistance thermometers, resistance transmitter, potentiometer and standard signals (current/voltage)
- printing of text, date, time, speed, measurements, scaling and statistics
- integrated math and logic module
- logic inputs for operating functions
- eight limit outputs via external relay module
- chart cassette for roll and fanfold chart
- operation and configuration from recorder keys or via PC setup program
- serial interface RS422/485

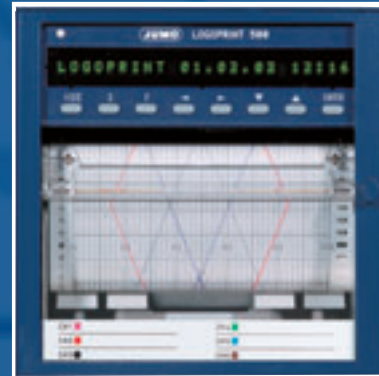


further information: [Data Sheet 70.6000](#)

Printing recorder

JUMO LOGOPRINT 500 / LOGOPRINT 500 junior

- bezel size 144 mm x 144 mm, depth behind panel 227 mm
- print head with three or six colors
- three or six universal measurement inputs for thermocouples, resistance thermometers, resistance transmitter, potentiometer and standard signals (current/voltage)
- printing of measurement traces and event tracks
- printing of text, date, time, speed, scaling and statistics
- peak-value recording and integrated math and logic module
- logic inputs for operating functions
- limit monitoring, internally and via external relay module
- chart cassette for roll and fanfold chart
- operation and configuration from recorder keys or via PC setup program
- serial interface RS422/485



further information: Data Sheet 70.6030

Universal carrying case

- dimensions: 327 mm x 169 mm x 350 mm (WxHxD)
cut-out: 138 mm x 138 mm
- to take recorders with 144 mm x 144 mm and 144 mm x 200 mm bezel sizes
- optionally for
 - printing recorder, process recorder, for 1-6 channels
 - pen recorder for 1-3 channels
 - paperless recorder
- direct connection for current, voltage, resistance thermometers, thermocouples
- recorders can readily be retrofitted
- Applications in mobile operation:
 - service
 - quality control
 - to meet statutory requirements
 - fault analysis
 - monitoring



High-profile products and services

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Analytical Measurement

- pH/redox: sensors and transmitters/controllers
- Conductivity instrumentation: conductive and inductive
- Dissolved oxygen measurement
- Chlorine, chlorine dioxide, ozone, hydrogen peroxide and peracetic acid instrumentation
- Fittings and accessories



Controllers, Power units, System/Recording technology

- Process controls and programmers
- Automation software
- Electronic thermostats/microstats
- Safety temperature monitor/limiter
- Digital indicators
- Process controller
- Recording instruments
- Temperature transmitters
- Thyristor power switches/power units
- Software and accessories



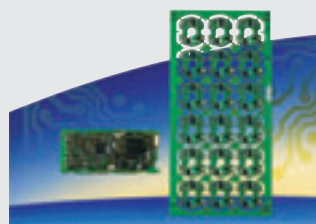
Thermostats and Dial Thermometers

- Panel and surface mounting thermostats in TR, TW, TB, STW and STB versions
- Room thermostats
- Warm-air thermostats
- Ex thermostats (ATEX)
- Electronic thermostats
- Dial thermometers as indicating and control instruments
- Bimetallic temperature switches
- Electronic temperature indicators with transmitter



Pressure measurement technology

- Pressure transmitters
- Level probes
- Pressure gauge
- Pressure switch
- Pressure cells
- Chemical seals and accessories



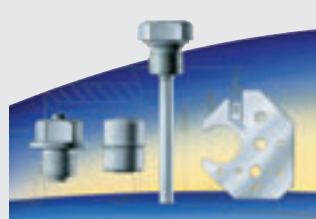
Electronic modules

- CAD layouting
- Component procurement
- THT and SMD placing
- AOI-testing
- In-circuit testing
- Functional testing
- Run-In
- Final assembly
- Final instrument test



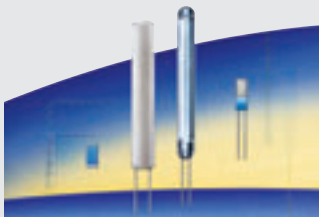
Transducers for Temperature and Humidity

- Thermocouples
- Resistance thermometers
- Ex temperature probes (ATEX)
- Wireless temperature probe
- Humidity measuring instruments
- DKD (German Calibration Service) laboratory
- Nationally accredited testing station for heat



Metalworking

- Stamping and forming systems
- Tool manufacture
- Flexible sheet metal working
- Welding, jointing and assembly systems
- Surface engineering
- Machining
- Float
- Materials laboratory



Platinum temperature sensors

in wirewound technology:

- Glass
- Glass with glass extension
- Ceramic
- Foil

in thin-film technology:

- Chip with connecting wires
- Chip in SMD style on epoxy board
- Chip with terminal clamps
- Chip in cylindrical style
- Chip in SMD style



Service

- Planning and project design for automation solutions
- German Calibration Service (DKD) for temperature
- Support during commissioning and optimization
- Worldwide service network
- Technical support line
- Seminars and workshops
- Fieldbus center
- Technical literature
- JUMO home page: www.jumo.net



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