

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

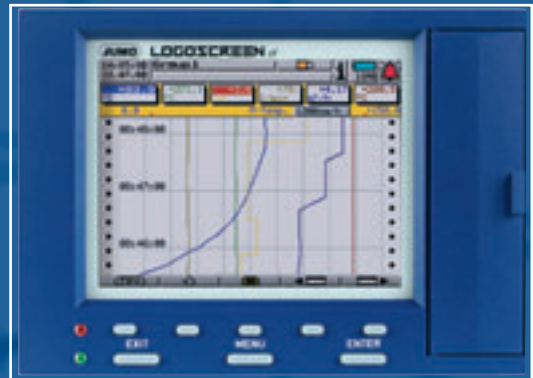
- Touch-Pad Operation
- Stainless Steel Front Frame with Safety Glass Screen
- ATEX-Approval for use in Zone 1
Ex-Marking: II 2G Ex px IIC,
II 2D Ex pD 21 IP 65
- 27 counters/integrators
- web server with online visualization
- modular hardware concept:
 - up to 18 internal analog inputs
 - up to 24 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

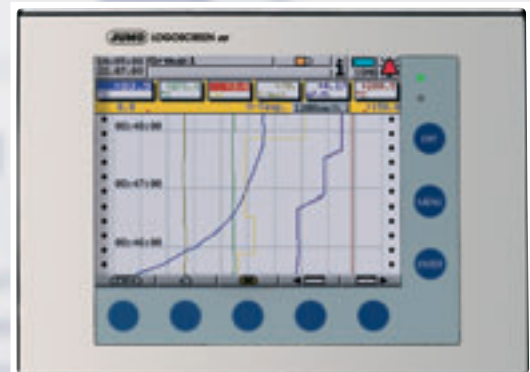
- six or twelve universal measurement inputs, electrically isolated, test voltage 500V, minimum sampling rate 125msec for twelve measurement inputs
- expansion to 36 measurement channels (mTRON, PROFIBUS-DP, Modbus)
- Ethernet interface
- data storage in internal memory and/or on CompactFlash® card (64 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 125 msec 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 (64/128/256 Mbyte 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

e-mail: mail@jumo.net

Phone: +49 661 6003-0



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



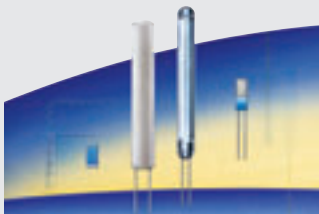
Pressure measurement technology

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



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



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



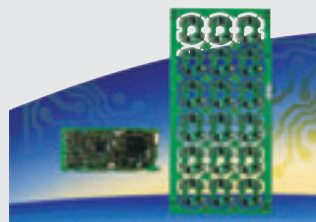
Controllers, Power units, System/Recording technology

- 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



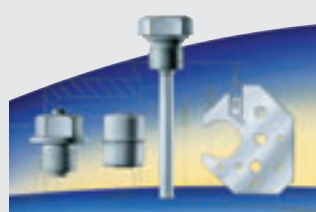
Thermostats and Dial Thermometers

- 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



Electronic modules

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



Metalworking

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



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



Head office Fulda

JUMO GmbH & Co. KG
 ☎ +49 661 6003-0
mail@jumo.net
www.jumo.net

Darmstadt

☎ +49 6151 3508-0
<http://darmstadt.jumo.info>

Essen

☎ +49 201 86627-0
<http://essen.jumo.info>

Hannover

☎ +49 5723 9432-0
<http://hannover.jumo.info>

Ingolstadt

☎ +49 841 37934-0
<http://ingolstadt.jumo.info>

Stuttgart

☎ +49 7021 95091-0
<http://stuttgart.jumo.info>

Austria

JUMO Mess- und Regelgeräte Ges.m.b.H
 ☎ +43 1 6 10 61 0
info@jumo.at
www.jumo.at

Belgium

JUMO Automation S.P.R.L./P.G.M.B.H./B.V.B.A.
 ☎ +32 87 59 53 00
info@jumo.be
www.jumo.be

Bulgaria

JUMO Bulgaria EOOD
 ☎ +359 2 973 39 88
jumobg@centrum-group.com

China

JUMO Automation Dalian Co. Ltd.
 ☎ +86 411 8718 9010
info@jumo-china.com
www.jumo-china.com

Croatia

JUMO Mess- u. Regelgeräte Ges.m.b.H
 ☎ +385 42 30 30 10
info@jumo.hr
www.jumo.hr

Czech Republic

JUMO Mereni a regulace s.r.o.
 ☎ +420 541 321 113
info.it@jumo.cz
www.jumo.cz

Denmark

JUMO Måle- og Regulerings teknik A/S
 ☎ +45 46 19 46 66
info.dk@jumo.net
www.jumo.dk

France

JUMO Régulation SAS
 ☎ +33 3 87 37 53 00
info.fr@jumo.net
www.jumo.fr

Hungary

JUMO HUNGARIA Kft.
 ☎ +36 1 467 08 35
jumobudapest@jumo.hu
www.jumo.hu

India

JUMO India Pvt. Ltd.
 ☎ +91 124 4121 600
info.in@jumo.net
www.jumo.in

Italy

JUMO Italia SRL
 ☎ +39 02 24 13 55 1
info.it@jumo.net
www.jumo.it

Netherlands

JUMO Meet- en Regeltechniek B.V.
 ☎ +31 294 49 14 91
info@jumo.nl
www.jumo.nl

Norway

JUMO AS
 ☎ +47 67 97 37 10
info.no@jumo.net
www.jumo.no

Poland

JUMO Sp.z.o.o.
 ☎ +48 71 3 39 82 39
biuro@jumo.com.pl
www.jumo.com.pl

Romania

S.C. JUMO Romania S.R.L.
 ☎ +40 257 20 60 36
info.se@jumo.net
www.jumo.ro

Russia

JUMO GmbH
 ☎ +7 495 961 32 44
jumo@jumo.ru
www.jumo.ru

Serbia/Montenegro

JUMO Mereni i regulacioni uredaj
 ☎ +381 11 285 2279
milan.sipljanovic@jumo.net

Slovakia

JUMO Slovensko s.r.o.
 ☎ +421 244 87 16 76
jumo@stonline.sk
www.jumo.sk

Slovenia

JUMO merilni in regulacijski aparati
 ☎ +386 2 421 51 83
info@jumo.si
www.jumo.si

Spain

JUMO Control S.A.
 ☎ +34 91 8863 153
gerardo.jentsch@jumo.net
www.jumo.es

Sweden

JUMO Mät- och Reglertechnik AB
 ☎ +46 42 38 62 80
info.se@jumo.net
www.jumo.se

Switzerland

JUMO Mess- und Regeltechnik AG
 ☎ +41 44 928 24 44
info@jumo.ch
www.jumo.ch

Türkei

JUMO Ölçü Sistemleri ve Otomasyon San. ve Tic. Ltd. Şti.
 ☎ +90 216 455 86 52
info.tr@jumo.net
www.jumo.com.tr

USA

JUMO Process Control, Inc.
 ☎ +1 315-697-5866
info@jumo.us
www.jumo.us

United Arab Emirates

JUMO GmbH & Co. KG
 ☎ +971 4 347 2936
info.ae@jumo.net
www.jumo.ae

United Kingdom

JUMO Instrument Co. Ltd.
 ☎ +971 4 885 5466
sales@jumo.co.uk
www.jumo.co.uk

For further international locations please visit www.jumo.net