

Humidity Transducers

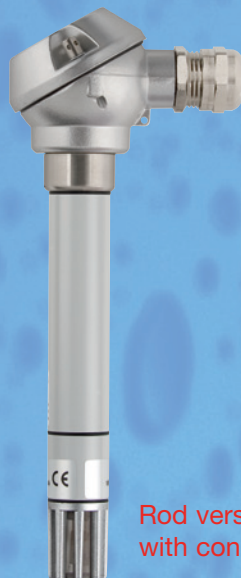


Hygro and Hygrothermo Transducers (capacitive) for climatic applications

- to measure relative humidity and temperature
- for versatile climatic applications and ventilation
- for indoor and air duct mounting
- compact rod models with connection cable or J-shaped connection head
- with current and voltage outputs as well as passive Pt100 temperature output
- with fast-response capacitive humidity sensor



Indoor version



Rod version with connection head



Rod version with connection



Duct version

further information:
Data Sheet 90.7020

Hygro and hygrothermal transducers (hygrometric)

- for measuring relative humidity and temperature
- for mounting indoors, outdoors, and in air ducts
- with resistance, current or voltage outputs
- for permanent use in the high-humidity range up to 100% RH (duct version)
- no power supply necessary for passive instruments
- sensing element does not need any maintenance in clean air (no regeneration necessary)



Indoor version



Duct version

further information:
Data Sheet 90.7031

Hygro and hygrothermal transducers (capacitive) for climate monitoring

- for measuring relative humidity in air and temperature
- for building automation, storage rooms, climate and ventilation control
- as indoor, wall and duct versions
- special miniature rod version for OEM applications
- with current or voltage outputs as well as passive temperature output



Indoor version

further information:
Data Sheet 90.7021



Wall version



Duct version

Rod version



Hygrostats (capacitive) for HVAC applications

- for on-off control of relative humidity
- for domestic and office buildings
- for the control of ventilating systems
- in wall and duct versions
- output relay with changeover contact



Wall version

Duct version

further information:
Data Sheet 90.7022

Humidity and temperature transducers for industrial applications

- measurement within the entire range from 0 to 100 % RH
- temperature-resistant up to 180 °C (depending on probe type)
- withstands pressures up to 100 bar (depending on probe type)
- rugged metal housing, IP 65 protection
- outstanding accuracy and stability
- graphical trend display and measurement history of the past year
- retraceability to NIST
- options: calculation and output of dew point, absolute humidity, mixing ratio, wet bulb temperature, enthalpy and water vapor pressure

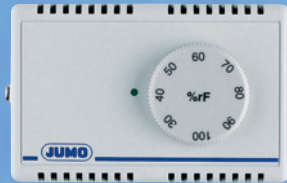


further information:
Data Sheet 90.7023

Ex version with PTB approval
as per CENELEC standard
(94/9/EC, ATEX)

Hygrostats (hygrometric)

- for on-off control of relative humidity
- in air ducts, climate-control cabinets, stores and cold rooms
- for controlling humidifiers and de-humidifiers
- for duct, wall and C-rail mounting



Compact version



Indoor version



Duct version

further information:
Data Sheet 90.7032

Capacitive hydrothermal transducers with interchangeable probes

- for measuring relative humidity and temperature
- measurement over the entire humidity range from 0 to 100% rH
- for operating temperatures from -40 to +80°C
- intelligent interchangeable probes are easy to exchange without readjusting the device electronics
- with separate measurement probes option for humidity and temperature
- 2m, 5m or 10m long adapter cable for probe extension
- special rugged metal housing, can be used in clean rooms
- integrated LC Display (optional)
- with standardized current or voltage outputs
- for versatile applications in the pharmaceutical industry and for greenhouse, clean room, storage and coldstore applications



further information:
Data Sheet 90.7027



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



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



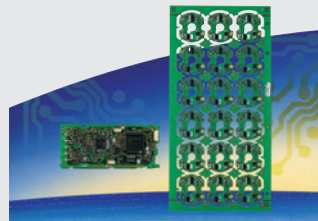
Thermostats and Dial Thermometers

- 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



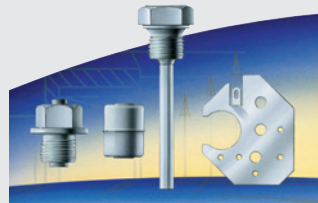
Electronic modules

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



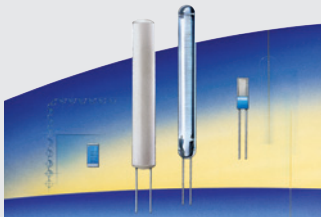
Transducers for Temperature and Humidity

- 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



Stammhaus in Fulda
JUMO GmbH & Co. KG
 ☎ +49 661 6003-0
 mail@jumo.net
 www.jumo.net
Niederlassung Darmstadt
 ☎ +49 6151 3508-0
 http://darmstadt.jumo.info
Niederlassung Essen
 ☎ +49 201 86627-0
 http://essen.jumo.info
Niederlassung Hannover
 ☎ +49 5723 9432-0
 http://hannover.jumo.info
Niederlassung Ingolstadt
 ☎ +49 841 37934-0
 http://ingolstadt.jumo.info
Niederlassung Leipzig
 ☎ +49 341 4900810
 http://leipzig.jumo.info
Niederlassung Stuttgart
 ☎ +49 7021 95091-0
 http://stuttgart.jumo.info

Belgien
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

Bulgarien
JUMO Izmerovatelni uredi i Regulatori
 ☎ +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

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

England
JUMO Instrument Co. Ltd.
 ☎ +44 1279 63 55 33
 sales@jumo.co.uk
 www.jumo.co.uk

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

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

Indien
JUMO India Pvt. Ltd.
 ☎ +91 124 4121 643
 info.in@jumo.net
 www.jumo.in

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

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

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

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

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

Rumänien
S.C. JUMO Romania S.R.L.
 ☎ +402 573 48 499
 info@jumo.ro
 www.jumo.ro

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

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

Schweiz
JUMO Mess- und Regeltechnik AG
 ☎ +41 44 828 24 44
 info@jumo.ch
 www.jumo.ch

Serbien / Montenegro
JUMO Mereni i regulacioni uredajaj
 ☎ +381 11 285 2279
 sipljan@eunet.yu

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

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

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

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

Türkei
JUMO Ölçü Sistemleri ve
 ☎ +90 216 455 86 52
 info.tr@jumo.net
 www.jumo.com.tr

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

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

Vereinigte Arabische Emirate
JUMO GmbH & Co. KG
 ☎ +971 4 347 2936
 info@jumo.ae

Weitere Standorte unter
www.jumo.net