

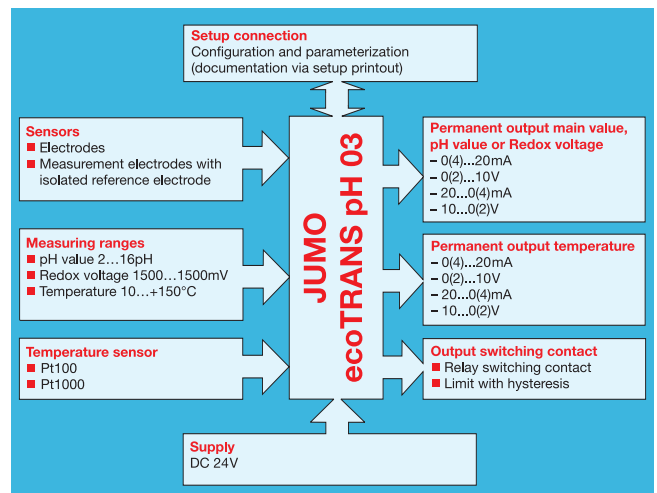
JUMO ecoTRANS pH 03

Transmitter for pH Value/Redox Voltage and Temperature with Switching Contact



Features

- **Main variables**
 - pH value (temperature compensated)
 - Redox voltage
 - **Usable sensors**
 - Electrodes
 - Measurement electrodes with isolated reference electrode
 - **Connection**
 - Screw terminals
 - Asymmetrical (normal) connection
 - Symmetrical connection
 - **Switching output**
 - Relay switching contact
- **Two permanent outputs, electrically isolated**
 - Main variable
 - Temperature
 - **Binary input (activated by external floating contact)**
 - Can be used to change the outputs to previously defined states (for example during maintenance work)
 - **Housing for rail mounting**
 - 35 mm x 7.5 mm rail to EN 60715 A.1
 - Dimensions: 109 mm x 22.5 mm x 124.8 mm (H x W x D)
 - **Operation/programming**
 - Keys and LC display
 - Setup program (file)



Possible areas of application:

General water systems, drinking water and wastewater, industrial water, surface water and sea water, swimming pools, fountains, monitoring tasks

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



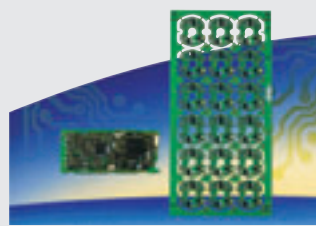
Thermostats and Dial Thermometers

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



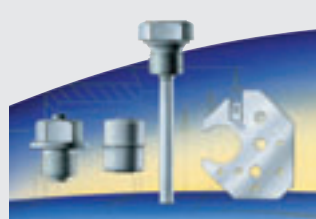
Electronic modules

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



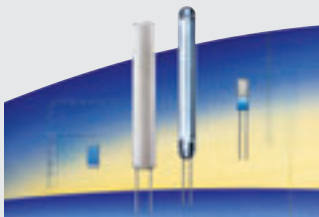
Transducers for Temperature and Humidity

- 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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