MSP 202
System monitoring via Environmental Multisensor

Art. Nr. 11170 V1

Product description

The MSP 202 is an industrial Environmental Multisensor of the latest generation for Cabinet, System and Infrastructure monitoring for mounting in 19" cabinets.

The Environmental Multisensor measures temperature and relative humidity with high accuracy and wide measuring ranges.

The MSP 202 has power and status LED displays.

The sensor finder LED function allows the sensor to be found quickly in large networks.

Per ESERA Plug and Play system, called Auto-E-Connect, the MSP 202 is installed fully automatically in ECO controller.

The ESERA Auto-E-Connect system, which is an extension of the 1-Wire Bus standard, has been registered by ESERA GmbH as a German and European patent.

Installation is done in a few minutes using the dual RJ45 plug-in system for patch cables.

Thanks to a sophisticated EMC and earthing concept, the Environmental Multisensor is optimally prepared for reliable operation in industrial environments.

Elegant housing with anodised aluminium front panel

Horizontal airflow measurement direction, detection of airflow in or out of the control cabinet

Designed for mounting in 10 inch and 19 inch control cabinets

Simple power supply (5VDC)

Highlights

Highly accurate Temperature- and rel. Humidity Sensor

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LED – displays for power and status

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Sensor Finder LED - display

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10 years long-term available

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1-Wire Industrial 1-Wire Bus optimised for linear topology / Daisy Chain System

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Auto-E-Connect Plug and Play System I to III

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Horizontal airflow measuring direction

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Long Live Industrial version Extensive protection circuits

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Connection via dual RJ45 sockets

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High-quality sensor housing for mounting in 19" cabinets

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Power supply 5VDC

Possible customisation and optional equipments

- Fast and cost-effective customer adaptations possible through ESERA 80/20 concept.
  80% existing technology, 20% customisation.
- Customisation of sensor equipment already possible for small order purchase quantities from 100 units.
- Can be expanded to include further sensor elements, e.g. CO2, VOC (air quality), air pressure, ozone (O3), nitrogen dioxide (NO2), etc.
- Painted electronics (conformal coating) for high operational reliability under permanently high or highly fluctuating humidity conditions

Sensor rear view

Key Features (Basic unit)

Sensors, Accuracy	temperatur maesuring range -40 to + 85°C, accuracy +/- 0,3°C relative humidity, measuring range 0-100%, accuracy 3%
Auto-E-Connect Feature	Pre Configuration, desired OWD storage Automatic positioning, OWD extended Plug And Play Sensor finder function, LED-display for sensor recognition Classes Assignment, OWD class via ECO Controller
Bus interface	1-Wire Industrial Bus with ESERA Auto-E-Connect System, level I – III 5V, Data In, Data Out, ground/GND and earthing (earth, functional earth)
LED displays	LED green for power, LED yellow for status and sensor finder
Equipment	sophisticated EMC and earthing concept overvoltage protection up to 28V for data line and power supply
Power consumption	0,1W, 20mA at 5V
Connection	2 x RJ45 socket for linear topology and earth connection (FE)
Dimensions	103 x 44 x 28 mm (W x H x D)
Housing	Aluminium and ABS Plastic , black
Protection system, Prot.class	IP20 / Protection class II
Temperature, Operation	-25°C to +70°C
Air humidity, Operation	10-92%, non condensing

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Contact

ESERA GmbH

Am Bleichanger 33, D-87600
Kaufbeuren / Germany

Tel.: +49 8341 999 80-0,
Fax: +49 8341 999 80-10

www.esera.de
info@esera.de