

OS 215 & OS 220

DEW POINT SENSOR



Option: OS MC - Measuring chamber

-20 to 50 °C (OS 215)

-100 to 0 °C (OS 220)

dew point measuring range

0 to 99,9%

relative humidity measuring range

-30 to 70 °C

temperature measuring range

DESCRIPTION

The dew point sensors OS 215/OS 220 provides reliable and long term stable dew point monitoring in industrial applications.

With these models dew point measurement in refrigerant dryers becomes affordable and can replace traditional temperature measurement which often couldn't tell the real dew point. OS 215/OS 220 outputs the measurement value through the loop powered 4-20 mA signal.

| | OS 215 | OS 220 |
|---------------------|--|---|
| APPLICATION: | Refrigeration dryers | Adsorption & Refrigeration dryers |
| Measuring range | Dew point: -20 to 50 °C Relative humidity: 0 to 99,9 % Temperature: -30 to 70 °C | Dew point: -100 to 0 °C Relative humidity: 0 to 99,99 % Temperature: -30 to 70 °C |
| Pressure range | -1 to 50 bar | 0 to 16 bar |
| Accuracy | Dew point: ± 2 °C | |
| Response time t90 | 0 to -20 °C: 30 sec -20 to 0 °C: 10 sec | -80 to -20 °C: 20 sec -20 to -80 °C: 180 sec |
| Connection | M12, 5 pole | |
| Process connection | G 1/2" BSP | |
| Output signal | 4 to 20 mA (digital), 2-wire | 4 to 20 mA (digital), 3-wire or loop powered (2-wire) |
| Ambient temperature | -20 to 50 °C | 0 to 50 °C |
| Protection class | IP65 | |
| Casing | Process connection: stainless steel Casing: Zinc alloy | |
| Included | Power cable with M12 connector (for connection to external display) | |

APPLICATIONS

- General compressed air systems
- Compressed air dryers and sensitive equipment
- Plastic injection process resin drying
- Blow moulding process
- Medical gases in hospitals