

CO₂ and Temperature Transducer LX-CDTE-R-AP-LCD

The LX-CDTE-R-LCD is an accurate carbon dioxide and temperature transducer for clean indoor environments. It enables the control of indoor air quality as well as room temperature. The monitoring of the room temperature and CO₂ level is effortless with the equipped LCD display.

Details

The carbon dioxide and temperature transducer LX-CDTE-R-AP-LCD monitors carbon dioxide levels within a range of 0 – 2000 parts per million and temperature within a range of 0 - 50 °C. The measurements are output with standard 0-10Vdc signals.

LX-CDTE-R-AP-LCD features a patented self-calibration algorithm which makes the installation and maintenance of the device fast and simple.

An equipped LCD display is capable of showing both measurements.

Order Code

LX-CDTE-R-AP-LCD

- Monitors CO₂ over range 0-2000 PPM and temperature over range 0-50 °C
- Patented self calibration algorithm
- 5 year calibration interval
- LCD for easy monitoring of room temperature and carbon dioxide level
- Powered by either AC or DC source with no change to circuit required
- Two analog output signals, linearized over full measurement range



Technical Data

Output Signal (CO ₂):	0 - 10 VDC
Output Signal (Temp):	0 - 10 VDC
Operating Voltage:	24VAC (15 - 28 V) / 0.5VA 24VDC (15 - 36 V) / 0.5W
Measured Range (CO ₂):	0 - 2000 ppm
Measured Range (Temp):	0 - 50 °C
Standard Accuracy (CO ₂):	±40 ppm + 3% of reading
Standard Accuracy (Temp):	±0.5 °C
Temperature Dependence:	0.2% FS per °C
Pressure Dependence:	0.17% of reading per 100Pa (0.13% per mm Hg)
Response Time:	< 1 min for 90% step change
Operating Conditions:	0 - 50 °C, 0 - 95% non-condensing
Size:	85mm (W) x 85mm (H) x 26mm (D)
LCD:	3.5 digits, 0.1 °C resolution
Manufacturing Process:	ISO9001