

## Room Temperature & Humidity Transducer LX-RHTE-R-AP-LCD

The relative humidity and temperature transducer LX-RHTE-R-AP-LCD is intended specifically for use in clean indoor air quality monitoring and control systems. The state-of-the-art design combines microprocessor based linearization and temperature correction with a world class capacitance sensor, resulting in reliable and accurate measurements. The monitoring of the room temperature and relative humidity level is effortless with the equipped LCD display.

### Details

LX-RHTE-R-AP-LCD is a humidity and temperature transducer for interior spaces. The RH transmitter provides a high accuracy, temperature compensated signal with excellent long term stability, low hysteresis and fast response while being virtually immune to power supply noise and input voltage fluctuations. The product operates on a wide range of AC or DC power supplies. Both readings are displayed on the LCD.

### Order Code

LX-RHTE-R-AP-LCD

- Temperature compensated humidity measurement
- Highly stable RH sensor element
- Accuracy  $\pm 2\%$
- Humidity span 0% to 100%
- 0-10 VDC outputs
- Fast response time
- Temperature and relative humidity displayed on the LCD
- Compact enclosure



### Technical Data

Sensor Type (Temperature):	Pt1000 type resistance temperature detector
System Accuracy:	$\pm 2\%$ RH, 0 % to 90% RH
System Accuracy:	$\pm 0.5^\circ\text{C}$ @ $25^\circ\text{C}$
Measured Range (RH):	0 - 100 %
Measured Range (Temp):	0 - $50^\circ\text{C}$
Output Signal Types:	0-10 VDC
Operating Humidity:	0 - 100% RH non condensing
Operating Temperature:	0 to $50^\circ\text{C}$
Stability:	$\pm 5\%$ RH typical in 2 years.
Power Supply:	24VDC/AC (15 - 28 V)
LCD:	3.5 digits, $0.1^\circ\text{C}$ resolution
Size:	85mm (W) x 85mm (H) x 26mm (D)
Casing:	ABS, IP20
Manufacturing Process:	ISO9001