# LX TEMPERATURE MODULE

| Model | Channels | Resolution | Functionality |
|---|---|---|---|
| LX3V-4PT V2 | 4 | 14 bits | Pt100 input |

## Specification

| Item | LX3V-4PT |
|---|---|
| Dielectric withstand voltage | 500VAC, 1min (between all terminals and ground) |
| Analog circuits | 24V DC ± 10%, 55mA |
| Digital circuits | 5V DC, 30mA (internal power supply from main unit) |
| Centigrade (° C)/Fahrenheit (°F) | Both °C and °F are available by reading the appropriate buffer memory (BFM). |
| Analog input signal | Platinum temperature PT 100 sensors (100 Ω), 3-wire, 4-channel (CH1, CH2, CH3, CH4), 3850 PPM/°C |
| Current to sensor | 1 mA. sensor: 100 Ω PT 100 |
| Compensated range | -100C° to 600C° -148 to +1112 |
| Digital output | -1000 to 6000 -1480 to 11120<br>12-bit conversion, save as complement of 2 in 16 bits |
| Minimum resolvable temp. | 0.2C° to 0.3C° 0.36F° to 0.54F° |
| Overall accuracy | ±1% full scale (compensated range)<br>-see section 7.0 for special EMC considerations |
| Conversion speed | 4 Channels 15ms |
| CE Certification | CE marked |







