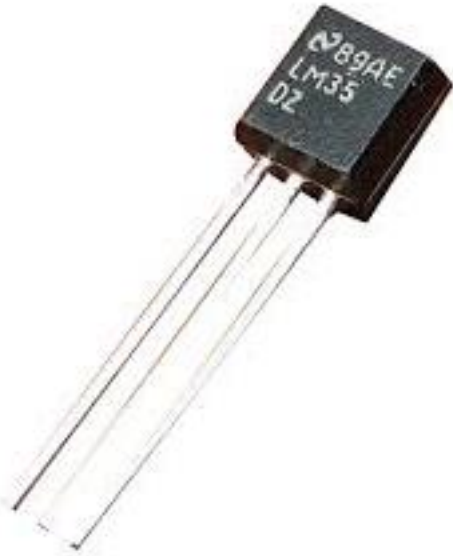


# **Laboratorio di Elettronica e Tecniche di Acquisizione Dati 2025-2026**

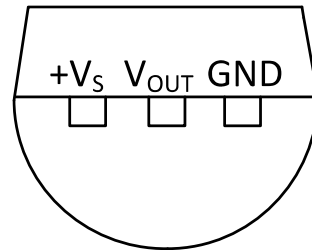
**LM35**

**(cfr. <https://www.ti.com/product/LM35>)**

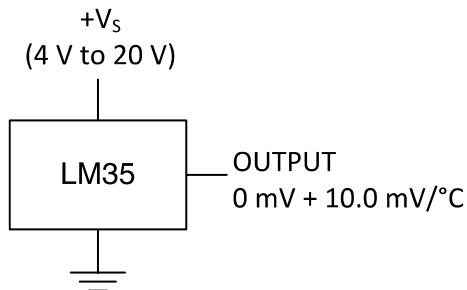
# LM35



LP Package  
3-Pin TO-92  
(Bottom View)



Basic Centigrade Temperature Sensor  
(2°C to 150°C)



## 1 Features

- Calibrated Directly in Celsius (Centigrade)
- Linear + 10-mV/°C Scale Factor
- 0.5°C Ensured Accuracy (at 25°C)
- Rated for Full -55°C to 150°C Range
- Suitable for Remote Applications
- Low-Cost Due to Wafer-Level Trimming
- Operates from 4 V to 30 V
- Less than 60-μA Current Drain
- Low Self-Heating, 0.08°C in Still Air
- Non-Linearity Only  $\pm 1/4^\circ\text{C}$  Typical
- Low-Impedance Output, 0.1  $\Omega$  for 1-mA Load