

lamaPLC Sensors / Actors

This chapter deals with sensors, groups them according to their functions, and gives a brief summary of their properties (communication, range, accuracy,...).

| Group | Sign | Description | Note |
|--|--|---|------|
| Temperature, Humidity, Air-presure, Gas, Air-quality | <div style="display: flex; flex-wrap: wrap; gap: 2px;"> <div style="background-color: #4CAF50; color: white; padding: 2px 5px;">T</div> <div style="background-color: #2196F3; color: white; padding: 2px 5px;">H</div> <div style="background-color: #FFEB3B; color: black; padding: 2px 5px;">P</div> <div style="background-color: #F44336; color: white; padding: 2px 5px;">F</div> <div style="background-color: #A1887F; color: white; padding: 2px 5px;">G</div> </div> | Typical areas of use of these sensors: meterology, home-automation, ... gas (CO, CO ₂ , alcohol, methane,...) and flue gas sensors | - |
| Distance measurement - Gesture Recognition - Radar - Movement | <div style="background-color: #E57373; color: white; padding: 2px 5px;">D</div> | Distance measurement | - |
| Signal level converters | <div style="background-color: #C8E6C9; color: black; padding: 2px 5px;">C</div> | Signal level converters | - |
| Weight sensors | <div style="background-color: #BBDEFB; color: white; padding: 2px 5px;">W</div> | Weight sensors | - |
| Displays | | Displays OLED | - |
| Energy harvesting | | Energy harvesting | - |
| Energy, power, current, and voltage | | Energy, power, current, and voltage | - |

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