

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; margin-right: 2px;">T</div> <div style="background-color: #2196F3; color: white; padding: 2px 5px; margin-right: 2px;">H</div> <div style="background-color: #FFEB3B; color: black; padding: 2px 5px; margin-right: 2px;">P</div> <div style="background-color: #F44336; color: white; padding: 2px 5px;">F</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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