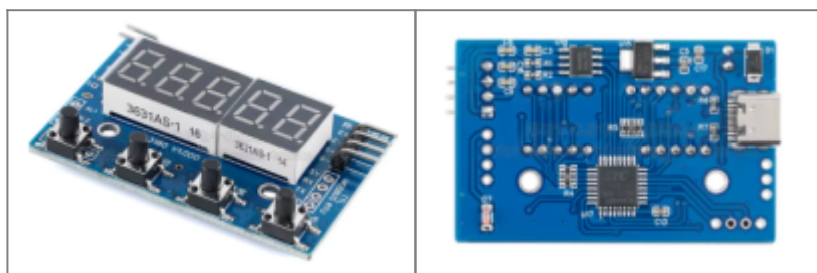


# lamaPLC: YR-3180 - Weight sensor module with UART or Modbus communication

The weighing acquisition module is a high-performance, multi-functional electronic weighing equipment. It uses advanced weighing technology to measure item weight in real time and display it on a five-digit digital display. It also includes upper- and lower-limit alarm functions. capable of achieving precise weighing control and monitoring.

At the same time, this product also features a TTL communication interface and [Modbus RTU](#) protocol, enabling convenient, rapid communication with PLCs, computers, and other equipment to transmit and remotely control weighing data. In addition, it supports Type-C power supply and button debugging, improving convenience and stability.



## Key Specifications and Features

- **Function:** The YR-3180 is a smart weighing sensor module designed to be integrated into electronic scales and instruments. It converts the mechanical force from a load cell into a precise electrical signal and displays the weight numerically.
- **High Precision:** It features a 24-bit A/D resolution (using an HX710B AD chip) for accurate weight detection.
- **Display:** The module has a five-digit digital tube display for intuitive and clear weight readings.
- **Connectivity:** It supports both TTL and RS-485 interfaces and uses the standard Modbus RTU protocol, enabling data transmission and remote control.
- **Alarm Function:** The module includes upper- and lower-limit alarms for process control and quality management.
- **Power Supply:** Powered via a Type-C/5V power supply, it also supports key debugging functions.
- **Sensor Compatibility:** When powered by the 5V TTL serial port, it can connect up to 1-4 350Q weighing sensors (load cells).
- **Acquisition Rate:** The A/D acquisition rate can be set to 10 or 40 times per second (default is 10).
- **Physical:** It is a bare-board module (no shell), measuring 45mm x 22mm.



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## Power and Communication (Host Side)

The module is powered via Type-C or dedicated pins and supports dual communication modes:

- **VCC:** 5V DC Input.
- **GND:** System Ground.
- TTL Serial Port:
  - **TX:** Transmit data (connects to MCU RX).
  - **RX:** Receive data (connects to MCU TX).
- RS-485 Interface (if the model variant supports it):
  - **A (D+):** RS-485 Differential A signal.
  - **B (D-):** RS-485 Differential B signal

## Modbus map

Data Type	Description	Common Address Range	Access
Current Weight	The main measured value (often a 32-bit float or integer)	30001 - 30002 (Input)	Read Only
Zero/Tare Command	A single coil or holding register to trigger a zero action	0001 or 40001 (Coil/Holding)	Write Only
Device Address	The Modbus Slave ID (default is often 1 or 2)	40002 (Holding)	Read/Write
Baud Rate	Communication speed setting (e.g., 9600, 19200 bps)	40003 (Holding)	Read/Write
Alarm Limit (Upper)	The high limit for the alarm output	40004 (Holding)	Read/Write
Alarm Limit (Lower)	The low limit for the alarm output	40005 (Holding)	Read/Write

Description: [YR-3180 Intelligent weighing sensor module](#)

## Arduino & YR-3180

The YR-3180 is an ultrasonic distance sensor that communicates via UART (Serial). It typically outputs a 4-byte data packet (Header, Data High, Data Low, and Checksum) every 100ms.

### Arduino Wiring

Using SoftwareSerial is recommended to keep the main hardware serial port (USB) free for your Serial Monitor.

- **VCC:** 3.3V or 5V (Check your specific module's label)
- **GND:** Arduino GND
- **TX (Sensor):** Arduino Pin 10 (RX)
- **RX (Sensor):** Arduino Pin 11 (TX)

### Arduino Example Code

This code listens for the standard 4-byte packet, verifies the checksum, and calculates the distance in

millimeters.

```
#include <SoftwareSerial.h>

// RX = 10, TX = 11
SoftwareSerial sensorSerial(10, 11);

unsigned char buffer[4];
int distance;

void setup() {
  Serial.begin(115200); // Communication with PC
  sensorSerial.begin(9600); // Standard YR-3180 baud rate
  Serial.println("YR-3180 Sensor Initialized");
}

void loop() {
  if (sensorSerial.available() > 0) {
    // Look for the start byte (0xFF)
    if (sensorSerial.read() == 0xFF) {
      buffer[0] = 0xFF;
      for (int i = 1; i < 4; i++) {
        buffer[i] = sensorSerial.read();
      }

      // Calculate Checksum: (buffer[0] + buffer[1] + buffer[2]) & 0xFF
      byte sum = (buffer[0] + buffer[1] + buffer[2]) & 0xFF;

      if (buffer[3] == sum) {
        // Distance is High Byte << 8 + Low Byte
        distance = (buffer[1] << 8) + buffer[2];
        Serial.print("Distance: ");
        Serial.print(distance);
        Serial.println(" mm");
      } else {
        Serial.println("Checksum Mismatch");
      }
    }
  }
  delay(100); // Match sensor's output frequency
}
```

## Implementation Details

- **Data Format:** The sensor transmits 4 bytes: **0xFF** (Header), **Data\_H**, **Data\_L**, and **Checksum**.
- **Blind Zone:** Like most ultrasonic sensors, it has a minimum detection distance (**typically 3cm to 25cm**) at which readings are inaccurate.
- **Interface:** If your module has a "Trigger" pin, it may support a "Controlled Mode" where it only sends data after you pull the RX line low.

## Sensor topics on lamaPLC

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• <a href="#">lamaPLC: A0221AU / A02YYUW Waterproof Ultrasonic Distance Sensor with UART communication</a>	2026/04/23 21:52	<a href="#">a0221au</a> , <a href="#">a02yyuw</a> , <a href="#">waterproof</a> , <a href="#">ultrasonic</a> , <a href="#">distance</a> , <a href="#">sensor</a> , <a href="#">uart</a> , <a href="#">ip67</a> , <a href="#">serial</a> , <a href="#">sen0311</a> , <a href="#">dfrobot</a>
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• <a href="#">LamaPLC: AHT20 / BMP280 Modul</a>	2026/04/23 21:52	<a href="#">bmp280</a> , <a href="#">aht20</a> , <a href="#">adafruit</a> , <a href="#">temperature</a> , <a href="#">humidity</a> , <a href="#">pressure</a> , <a href="#">sensor</a> , <a href="#">arduino</a> , <a href="#">code</a> , <a href="#">i2c</a>
• <a href="#">LamaPLC: Allegro ACS758 Hall-effect linear current sensors</a>	2026/04/23 21:52	<a href="#">cjmcu</a> , <a href="#">cjmcu-758</a> , <a href="#">acs758</a> , <a href="#">acs758lcb-050b</a> , <a href="#">acs758lcb-100b</a> , <a href="#">acs758kcb-150b</a> , <a href="#">acs758ecb-200b</a> , <a href="#">hall-effect</a> , <a href="#">current</a> , <a href="#">sensor</a> , <a href="#">analog</a> , <a href="#">arduino</a> , <a href="#">code</a>
• <a href="#">LamaPLC: APDS - Avago ALS and proximity detection sensors with I<sup>2</sup>C communication</a>	2026/04/23 21:52	<a href="#">avago</a> , <a href="#">apds-9900</a> , <a href="#">apds-9930</a> , <a href="#">apds-9960</a> , <a href="#">als</a> , <a href="#">proximity</a> , <a href="#">detection</a> , <a href="#">gesture recognition</a> , <a href="#">gesture</a> , <a href="#">i2c</a> , <a href="#">communication</a> , <a href="#">sensor</a> , <a href="#">arduino</a> , <a href="#">code</a>
• <a href="#">lamaPLC: Arduino Modul: BME680</a>	2026/05/12 18:40	<a href="#">code</a> , <a href="#">c</a> , <a href="#">2026</a> , <a href="#">arduino</a> , <a href="#">bme680</a> , <a href="#">sensor</a> , <a href="#">i2c</a> , <a href="#">comunication</a>
• <a href="#">lamaPLC: AS5600 Magnetic Induction Angle Measurement Sensor Module</a>	2026/05/13 00:06	<a href="#">communication</a> , <a href="#">i2c</a> , <a href="#">as5600</a> , <a href="#">as-5600</a> , <a href="#">magnetic</a> , <a href="#">induction</a> , <a href="#">angle</a> , <a href="#">sensor</a>
• <a href="#">LamaPLC: BMP/BME Bosch Temperature/Humidity/Pressure sensors with I<sup>2</sup>C communication</a>	2026/04/23 21:52	<a href="#">bme280</a> , <a href="#">bme680</a> , <a href="#">bme688</a> , <a href="#">bmp180</a> , <a href="#">bmp280</a> , <a href="#">hw-611</a> , <a href="#">hw611</a> , <a href="#">bosch</a> , <a href="#">temperature</a> , <a href="#">humidity</a> , <a href="#">pressure</a> , <a href="#">sensor</a> , <a href="#">arduino</a> , <a href="#">i2c</a> , <a href="#">communication</a> , <a href="#">ai</a> , <a href="#">cjmcu</a> , <a href="#">volatile organic compounds</a> , <a href="#">vocs</a> , <a href="#">volatile sulfur compounds</a> , <a href="#">vsocs</a> , <a href="#">iaq</a>
• <a href="#">LamaPLC: BQ25570 / CJMCU-2557 - Texas Instruments nano-power management IC and module</a>	2026/04/23 21:52	<a href="#">bq25570</a> , <a href="#">sensor</a> , <a href="#">texas instruments</a> , <a href="#">nano-power management</a> , <a href="#">dc-dc boost charger</a> , <a href="#">mppt</a> , <a href="#">solar</a> , <a href="#">thermoelectric</a> , <a href="#">piezoelectric</a> , <a href="#">energy harvesting</a> , <a href="#">eh</a>
• <a href="#">LamaPLC: CJMCU-219/INA-219 breakout board/IC with I<sup>2</sup>C communication</a>	2026/04/23 21:52	<a href="#">cjmcu-219</a> , <a href="#">ina-219</a> , <a href="#">ina219</a> , <a href="#">breakout board</a> , <a href="#">i2c</a> , <a href="#">communication</a> , <a href="#">sensor</a> , <a href="#">voltage</a> , <a href="#">current</a> , <a href="#">arduino</a> , <a href="#">code</a> , <a href="#">cjmcu</a>

<ul style="list-style-type: none"> <li>• LamaPLC: CJMCU-3216 / AP-3216 integrated digital ambient light and proximity sensor module/IC with I<sup>2</sup>C communication</li> </ul>	2026/04/23 21:52	cjmcu-3216, cjmcu, ap-3216, ap3216, ambient light, proximity, sensor, arduino, code, i2c, communication
<ul style="list-style-type: none"> <li>• LamaPLC: CJMCU-3901/PMW-3901 compact optical flow sensor module/IC by PixArt with SPI communication</li> </ul>	2026/04/23 21:52	cjmcu-3901, cjmcu, pmw3901, pmw-3901, optical flow, sensor, pixart, spi, communication, arduino, code, pmw3901mb-txqt
<ul style="list-style-type: none"> <li>• LamaPLC: CJMCU-6701: Biosensor for measuring Galvanic Skin Response (GSR) with SPI communication</li> </ul>	2026/04/23 21:52	cjmcu, cjmcu-6701, acs758, acs-758, galvanic skin response, gsr, electrodermal activity, eda, spi, communication, arduino, code, sensor, healthcare
<ul style="list-style-type: none"> <li>• LamaPLC: CJMCU-6814 combined gas sensor module for CO, NO<sub>2</sub>, NH<sub>3</sub></li> </ul>	2026/04/23 21:52	analog, cjmcu, cjmcu-6814, mics6814, mics-6814, sensor, arduino, code, carbon monoxide, co, ammonia, nh <sub>3</sub> , nitrogen dioxide, no <sub>2</sub>
<ul style="list-style-type: none"> <li>• lamaPLC: CJMCU-811 CCS811 Gas Sensor (VOCs TVOC CO<sub>2</sub>)</li> </ul>	2026/04/23 21:52	cjmcu-811, ccs811, gas, sensor, vocs, tvoc, eco2, co2, arduino, air quality metal oxide, mox, i2c, micropython, rp2040-eth
<ul style="list-style-type: none"> <li>• LamaPLC: CJMCU-8221 Analog Devices Precision instrumentation amplifier module</li> </ul>	2026/04/23 21:52	cjmcu-8221, ad8221ar, analog devices, amplifier, sensor, cjmcu
<ul style="list-style-type: none"> <li>• LamaPLC: D6T Omron Non-Contact Thermal Sensors with I<sup>2</sup>C communication</li> </ul>	2026/04/23 21:52	d6t, d6t-32l, d6t-44l, d6t-8l, d6t-1a, omron, non-contact, thermal, sensor, i2c, arduino, code
<ul style="list-style-type: none"> <li>• LamaPLC: DHT Temperature /Humidity sensors with 1-wire / I<sup>2</sup>C communication</li> </ul>	2026/04/23 21:52	dht11, dht20, dht22, temperature, humidity, pressure, sensor, 1-wire, arduino, code
<ul style="list-style-type: none"> <li>• LamaPLC: DPS Infineon Temperature/Pressure sensors with I2C communication</li> </ul>	2026/04/23 21:52	dps310, infineon, temperature, pressure, sensor, arduino, i2c, communication, code
<ul style="list-style-type: none"> <li>• lamaPLC: DS18B20 1-Wire Digital Thermometer</li> </ul>	2026/04/23 21:52	ds18b20, sensor, 1-wire, communication, arduino, thermometer, parasitic mode
<ul style="list-style-type: none"> <li>• lamaPLC: Energy, power, current, and voltage</li> </ul>	2025/05/31 23:32	i2c, i c, communication, arduino, energy, power, current, sensor, ina226
<ul style="list-style-type: none"> <li>• LamaPLC: ENS ScioSense Multi-gas sensors with I<sup>2</sup>C communication</li> </ul>	2026/04/23 21:52	ens160, sciosense, gas-quality, i2c, communication, sensor, arduino, code, eco2, tvoc, aqi, indoor air quality, iaq, co <sub>2</sub> , voc
<ul style="list-style-type: none"> <li>• lamaPLC: ENS160 + AHT21 Air Quality Sensor - CO, ECO, TVOC, Temp &amp; Humidity Module</li> </ul>	2026/04/23 21:52	arduino, ens160, aht21, air quality, sensor, co, eco, tvoc, module, aqi

<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: Gas sensors</a></li> </ul>	<p>2023/07/01 17:29</p>	<p>gas, sensor, i2c, onewire, communication, mq-3, mq-4, mq-5, mq-6, mq-7, mq-8, mq-9, mq-135, gm-102b, gm-302b, gm-502b, gm-702b, alcohol, ch4, natural gas, smoke, lng, co, co2, lpg, h2, iso-butane, nox, nh3, benzene, town gas, formaldehyde, propane, humidity, temperature, voc, grv gas sens v2</p>
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: GM MEMS Gas-sensors</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>gm-102b, gm-302b, gm-502b, gm-702b, mems, gas-quality, sensor, arduino, code, nitrogen dioxide, no2, volatile organic compounds, voc, carbon monoxide, co, ethyl alcohol, c2h5ch, formaldehyde, ch2o, alcohol, c2h5oh</p>
<ul style="list-style-type: none"> <li>• <a href="#">lamaPLC: GY-511 6DOF sensor module</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>stmicroelectronics, lsm303dlhc, i2c, lsm303, sensor, gy-511, 6dof, pololu, module, arduino</p>
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: HC-SR04 Ultrasonic Sensor Module</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>hc-sr04, ultrasonic, sensor, arduino, code</p>
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: HDC Texas Instruments Temperature/humidity sensors with I<sup>2</sup>C communication</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>sht21, htu21, si7021, gy-21, gy-213v, hdc1080, gy-213v-hdc1080, cjmcu, cjmcu-1080, texas instruments, temperature, humidity, sensor, i2c, communication, arduino, code</p>
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: HTU TE Connectivity temperature/humidity sensors with I<sup>2</sup>C communication</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>htu, htu31d, htu21d, htu20d, sht20, htu20, sht21, htu21, si7021, gy-21, gy-213v, hdc1080, si702, gy-20, sht31, htu31, si7031, gy-31, te connectivity, temperature, humidity, i2c, communication, sensor, arduino, code</p>
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: HX711 24-bit analog-to-digital converter (ADC)</a></li> </ul>	<p>2026/04/11 18:28</p>	<p>hx711, hx-711, analog-to-digital, adc, converter, load cell, wheatstone bridge, weight, sensor, communication, arduino, code</p>
<ul style="list-style-type: none"> <li>• <a href="#">lamaPLC: INA modules with Arduino libraries</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>i2c, i c, communication, arduino, energy, power, current, monitor, sensor, ina219, gy-219, ina226, gy-216, ina228, gy-228, ina237, ina238, ina260, ina3221, ina</p>
<ul style="list-style-type: none"> <li>• <a href="#">lamaPLC: INA226 - current/voltage/power monitor with I<sup>2</sup>C communication</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>i2c, i c, communication, arduino, energy, power, current, monitor, sensor, ina226, ina219, ina</p>
<ul style="list-style-type: none"> <li>• <a href="#">lamaPLC: LTC3588 - Nanopower energy harvesting power supply IC</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>communication, arduino, sensor, energy harvesting, eh, energy, ambient power</p>
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: M01 - V0.4 Laser ranging sensor with UART communication</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>distance measurement, laser, distance, sensor, m01</p>
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: MAX30100/MAX30102 Heart Rate Click Sensor Module</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>max30102, max30100, heart rate click, sensor, communication, i2c, arduino, code</p>
<ul style="list-style-type: none"> <li>• <a href="#">lamaPLC: Max31865 RTD to Digital Converter - PT100/PT1000 Platine</a></li> </ul>	<p>2026/04/23 21:52</p>	<p>max31865, rtd, pt 100, pt 1000, temperature, spi, platinum, arduino, code, sensor, adafruit</p>

• <a href="#">LamaPLC: MAX4466/MAX9814: Low-noise Microphone Preamplifiers</a>	2026/04/23 21:52	audio, microphone, analogue audio, max4466, max9814, max 4466, max 9814, agc, preamplifiers, sensor, arduino, code
• <a href="#">LamaPLC: MH-Z19 series of NDIR CO<sub>2</sub> sensors</a>	2026/04/23 21:52	mh-z19, mh-z19d, mh-z19c, mh-z19b, mh-z19e, ndir, co <sub>2</sub> , sensor, winsen, uart, pwm, communication, non-dispersive infrared, infrared, ir, temperature, arduino, code, tasmota
• <a href="#">lamaPLC: MPU-6050 (HW-123, GY-521) 6-axis MotionTracking device</a>	2026/04/23 21:52	mpu-6050, hw-123, gy-521, 6-axis motiontracking, dmp, temperature, sensor, mems, arduino code, arduino, accelerometer, gyroscope, tilt
• <a href="#">LamaPLC: MQ Winsen Gas-sensors</a>	2026/04/23 21:52	mq, mq-2, mq-3, mq-4, mq-5, mq-6, mq-7, mq-8, mq-9, mq-131, mq-135, mq-137, winsen, gas-sensor, sensor, arduino, code, alcohol, c <sub>2</sub> h <sub>5</sub> oh, benzine gas, smoke, lpg, propane, c <sub>3</sub> h <sub>8</sub> , hydrogen, h <sub>2</sub> , methane, ch <sub>4</sub> , iso-butane, town gas, ammonia, nh <sub>3</sub>
• <a href="#">LamaPLC: PIR sensors</a>	2026/04/23 21:52	hc-sr501, hc-sr505, am-312, ekmb ekmc, pir, motion, sensor, arduino, code
• <a href="#">LamaPLC: Pixart PAJ7620U2 Gesture recognition sensors/module with I<sup>2</sup>C communication</a>	2026/04/23 21:52	paj7620u2, gy-paj7620, pixart, gesture recognition, i2c, communication, sensor, arduino, code
• <a href="#">lamaPLC: PT100 / PT1000</a>	2025/09/23 18:59	pt100, pt1000, temperature, sensor, platine, rtd
• <a href="#">lamaPLC: PTA8C04 4-channel PT100 Modbus Modul</a>	2026/02/14 18:42	pta8c04, sensor, modbus, rtu, rs-485, communication, platine, um72
• <a href="#">LamaPLC: RCWL - Microwave radar sensor</a>	2026/04/23 21:52	rcwl-0516, rcwl, microwave, radar, sensor, arduino, code
• <a href="#">lamaPLC: RD-xx - Ai-Thinker Radar Module with UART communication</a>	2026/04/23 21:52	radar, s3km1110, fmcw, rd-01, rd-03, rd-03d, ai-thinker, k-band, 24 ghz, sensor, distance, micro-movements
• <a href="#">lamaPLC: RP2040_ETH_Modul: Read BME 680/688 sensor data</a>	2026/05/12 21:06	code, micropython, 2026, rp2040 eth, bme680, i2c, sensor, communication
• <a href="#">lamaPLC: RP2040_ETH_Modul: Read BME 680/688 sensor data and store in Modbus input registers</a>	2026/05/12 18:58	code, micropython, 2026, rp2040 eth, bme680, i2c, sensor, communication
• <a href="#">LamaPLC: SGP Sensirion TVOC/VOC sensors with I<sup>2</sup>C communication</a>	2026/04/15 19:41	sgp30, sgp40, sgp41, sensirion, gas-sensor, i2c, communication, sensor, arduino, code, eco <sub>2</sub> , voc, tvoc, indoor air quality, iaq, nox, hydrogen
• <a href="#">LamaPLC: SHT Sensirion Temperature/humidity sensor with I<sup>2</sup>C communication</a>	2026/04/23 21:52	sht20, sht21, sht25, sht30, sht31, sht35, sht40, gy21, temperature, humidity, i2c, communication, sensor, arduino, code

<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: Texas Instruments ADCs: Delta-sigma multi-channel Analog Converters with SPI communication</a></li> </ul>	2026/04/23 21:52	ads111x, ads12xx, delta-sigma, converter, texas instruments, adc, spi, communication, sensor, arduino, code, ads1110, ads1112, ads1113, ads1114, ads1115, ads1118, ads1119, ads1220, ads1232, ads1234, ads1256, ads1261, ads1263, multi channel
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: TOFnnnC STMicroelectronics Time-of-Flight (ToF) sensors with I<sup>2</sup>C communication</a></li> </ul>	2026/04/23 21:52	tof050c, vl6180, tof200c, vl53l0x, tof400c, vl53l1x, stmicroelectronics, time-of-flight, tof, i2c, communication, sensor, arduino, code
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: UICPAL Temp.humi.sensor</a></li> </ul>	2023/06/25 00:43	simatic, s7, modbus, communication, temperature, humidity, sensor
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: VL53Lnn STMicroelectronics time-of-flight (ToF) laser-ranging sensors with I<sup>2</sup>C communication</a></li> </ul>	2026/04/23 21:52	vl53l0x, vl53l1x, vl53l0 1xv2, gy-530, time-of-flight, tof, laser-ranging, i2c, communication, sensor, arduino, code
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: VL6180X STMicroelectronics Time-of-Flight (ToF) sensor with I<sup>2</sup>C communication</a></li> </ul>	2026/04/23 21:52	vl6180x, stmicroelectronics, time-of-flight, tof, i2c, communication, sensor, arduino, code
<ul style="list-style-type: none"> <li>• <a href="#">LamaPLC: Waveshare TOF Laser Range Sensor with UART / I<sup>2</sup>C communication</a></li> </ul>	2026/04/23 21:52	distance measurement, laser, range, sensor, tof, waveshare
<ul style="list-style-type: none"> <li>• <a href="#">lamaPLC: XGZP68xx: Silicon Pressure Sensors/Module</a></li> </ul>	2026/05/15 15:17	communication, i2c, sensor, modul, pressure, cfsensor, xgzp68xx, xgzp6810d, xgzp6857d, xgzp6859d, xgzp6887d, xgzp6897d, xgzp6899a, piezoresistive, capacitive
<ul style="list-style-type: none"> <li>• <a href="#">lamaPLC: YR-3180 - Weight sensor module with UART or Modbus communication</a></li> </ul>	2026/02/15 00:00	communication, modbus, rtu, sensor, weight, yr-3180, hx710b, arduino, ttl, rs-485
<ul style="list-style-type: none"> <li>• <a href="#">LM393: Dual differential comparator (flame, light, sound sensors)</a></li> </ul>	2026/05/12 22:18	communication, analog, lm393, lm-393, flame, ir, sound, hall, sensor, ky-026, hw-484, ky-037, ky-038, fc-03, hc-89, ky-024, modul
<ul style="list-style-type: none"> <li>• <a href="#">Magnetic angle sensors</a></li> </ul>	2026/03/05 21:19	magnetic angle sensor, magnetic flux, sensor, spi, i2c, pwm, communication, modul, as5047p, as5600, mt6701, mt6816, mt6835, tle5012b, amr, gmr, tmr, anisotropic magnetoresistive
<ul style="list-style-type: none"> <li>• <a href="#">NT18B07: 7 Kanal RS485 Temperatur Sensor with Modbus RTU</a></li> </ul>	2026/02/14 18:49	nt18b07, sensor, modbus, rtu, rs-485, communication, platine
<ul style="list-style-type: none"> <li>• <a href="#">PT100 / PT1000 sensors</a></li> </ul>	2026/04/23 21:52	rtd, pt100, pt1000, sensor, temperature
<ul style="list-style-type: none"> <li>• <a href="#">Radar Module RD-xx</a></li> </ul>	2026/04/23 21:52	radar, s3km1110, fmcw, rd-03, k-band, 24 ghz, sensor, distance, micro-movements

[communication](#), [modbus](#), [RTU](#), [sensor](#), [weight](#), [YR-3180](#), [HX710B](#), [Arduino](#), [TTL](#), [RS-485](#)

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