



Smart Industry OEM Condition Monitoring Kit

The Smart Industry OEM Condition Monitoring Kit is the ideal way to learn and create solutions focused on a micro PLC programming environment, industrial instrumentation and control applications.

Develop experience in programming a micro PLC with IEC 61131-3 languages or Arduino C++ to realize a small industrial control system.

Implement projects including temperature measurements exploiting the Portenta Machine Control's capabilities with 3 temperature inputs for Thermocouples J/K and RTD PT100.

Get familiar with Fieldbus communications - Modbus RTU through RS485 and Modbus TCP through Ethernet.

Key features

- PLC IDE enabled for the Portenta Machine Control
- Expert Arduino Service & Support included
- 3 months Arduino Cloud for Business voucher
- RTD sensor PT100

Additional features

The Arduino PRO Kits are development enablers designed to offer end to end solutions to deep dive the technological experiences offered by the Arduino Ecosystem, targeting specific verticals. Made of a set of selected products, accessories, tools and guides, are easy and ready-to-use bundles to build professional applications and proof of concepts.

Quickly put them to work, leveraging the many available software libraries from Arduino and the compatible third party integrations for AI transformation.

Take advantage of the zero touch programming experience of the Arduino IoT Cloud: the onboard secure element ensures over-the-air firmware updates and remote control via the Arduino Cloud or third-party services.

Applications

- Industrial Automation
 - Industrial machines control
 - Industrial IoT Gateway

- Waste water management
- Industrial OEM
 - Condition monitoring
 - Appliances control systems

Kit contains:

- Arduino Portenta Machine Control
- RTD sensor PT100
- Thermocouple
- WiFi antenna

Software included:

- PLC Key enabling Portenta machine control for the Arduino PLC IDE
- Arduino Cloud for business 3 months voucher

Service & Support included:

- 1hr remote consulting for Product Selection with an Arduino or Arduino Partner expert
- 2hrs remote technical support from an Arduino Expert