# SIGMA

**SMART TAG**
**Sensor TAG**

**PART ID:**
**4902**

RFID Sensors are very useful for wireless sensor applications in industrial solutions, for quality check in food and pharma industry, for temperature check in maintenance processes and transport and logistics. These devices are operating optimal with microsensys standard RFID reader.



## Main Specifications

| | |
|---|---|
| Frequencies | LF **HF** UHF |
| Material | Epoxy |
| Operating Temperature | -35°C to 85°C |
| IP Class | IP65 |
| Compliance | RoHs & Reach, CE |
| Key Features | Small Size, Heat Tolerant, High Durability |
| Options | Adhesive, Laser Engraving |

## Full Specifications

| | |
|---|---|
| Product ID | 4902 |
| Name | SIGMA |
| Material | Epoxy |
| Shape | Pressure |
| Long Description | RFID Sensors are very useful for wireless sensor applications in industrial solutions, for quality check in food and pharma industry, for temperature check in maintenance processes and transport and logistics. These devices are operating optimal with microsensys standard RFID reader. |
| Key Features | Small Size, Heat Tolerant, High Durability |
| Options | Adhesive, Laser Engraving |
| Main Use | Food and Pharma Industry |
| Article Type | Sensor TAG |
| Color | Black |
| Diameter [mm] | 14 |
| Thickness [mm] | 2.5 |
| Operating Temp °C (min) | -35 |
| Operating Temp °C (max) | 85 |

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use
of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.



TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10

| | |
|---|---|
| Storage Temp °C (min) | -40 |
| Storage Temp °C (max) | 125 |
| IP Class | IP65 |
| Compliance | RoHs & Reach, CE |
| Battery | No |
| AC Plugs | NULL |
| Sensors | Piezo-Resistive MEMS Technology Sensor, Presssure |
| NFC and RFID Integration | HF |
| Internal Flash Memory | 128 bit EEPROM free memory |
| Manage services | Reader |
| Data output to cloud | No |

## VARIANTS

| ID | Variant |
|---|---|
| 4902-01-901-00 | Passive Pressure Sensor |

© TECTUS reserves the right to change any information or data in this document without prior notice. The distribution and the update of this document is not controlled. TECTUS declines all responsibility for the use
of products with any other specifications but the ones mentioned above. Any additional requirement for a specific customer application has to be validated by the customer himself at his own responsibility.
Where application information is given, it is only advisory and does not form part of the specification.



TECTUS Technology GmbH | Lustheide 85 | D-51427 Bergisch Gladbach | Phone: +49 (0) 22 04 976 88 0 | Fax: +49 (0) 22 04 976 88 10