

# SIGMA

SMART TAG  
Sensor TAG

PART ID:  
**4904**

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 microsensus standard RFID reader.

## Main Specifications

|                       |                                              |
|-----------------------|----------------------------------------------|
| Frequencies           | LF HF <b>UHF</b>                             |
| Material              | Epoxy + GF                                   |
| Operating Temperature | -40°C to 65°C                                |
| IP Class              | IP65                                         |
| Compliance            | RoHs & Reach, CE                             |
| Key Features          | ON-Metal Use, Heat Tolerant, High Durability |
| Options               | Adhesive, Laser Engraving, UID Printing      |



## Full Specifications

|                  |                                                                                                                                                                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product ID       | 4904                                                                                                                                                                                                                                                                                         |
| Name             | SIGMA                                                                                                                                                                                                                                                                                        |
| On Metal Use     | yes                                                                                                                                                                                                                                                                                          |
| Material         | Epoxy + GF                                                                                                                                                                                                                                                                                   |
| Shape            | Temperature                                                                                                                                                                                                                                                                                  |
| 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 microsensus standard RFID reader. |
| Key Features     | ON-Metal Use, Heat Tolerant, High Durability                                                                                                                                                                                                                                                 |
| Options          | Adhesive, Laser Engraving, UID Printing                                                                                                                                                                                                                                                      |
| Main Use         | Food and Pharma Industry                                                                                                                                                                                                                                                                     |
| Article Type     | Sensor TAG                                                                                                                                                                                                                                                                                   |
| Color            | Black                                                                                                                                                                                                                                                                                        |
| Length [mm]      | 70                                                                                                                                                                                                                                                                                           |
| Width [mm]       | 18                                                                                                                                                                                                                                                                                           |

®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.

|                          |                                   |
|--------------------------|-----------------------------------|
| Thickness [mm]           | 4                                 |
| Operating Temp °C (min)  | -40                               |
| Operating Temp °C (max)  | 65                                |
| Storage Temp °C (min)    | -40                               |
| Storage Temp °C (max)    | 65                                |
| IP Class                 | IP65                              |
| Compliance               | RoHs & Reach, CE                  |
| Battery                  | No                                |
| AC Plugs                 | NULL                              |
| Sensors                  | Semiconductor Sensor, Temperature |
| NFC and RFID Integration | UHF                               |
| Internal Flash Memory    | depending on Chip                 |
| Manage services          | Reader                            |
| Data output to cloud     | No                                |

VARIANTS

|                |                            |
|----------------|----------------------------|
| ID             | Variant                    |
| 4904-01-902-00 | Passive Temperature Sensor |