# TAG Reader/Writer, type 6900-101

**Identification and monitoring of sample bottles during milk collection**

- Reliable identification of four sample bottles
- ISO 15693 Protocol for RFID TAG´s
- Four RS232 interfaces
- Easy to clean
- Robust housing
- Compact modular unit



### Description/Function

The quad tag reader/writer, type 6900-101, is mounted on the quad sampling pump, type 6900-20.

The RFID reader/writer is mounted at the bottom of the Quadsampler, means that the quad RFID reader/writer can give a continuous read-out and description of the TAG, located at the bottom of the sample bottle. The sample bottles are thus clearly allocated and recorded by the electronic system.

The main computer controls the whole sampling process by writing default data in the sampler controller system, e.g. type 6970-30, and requesting status data.
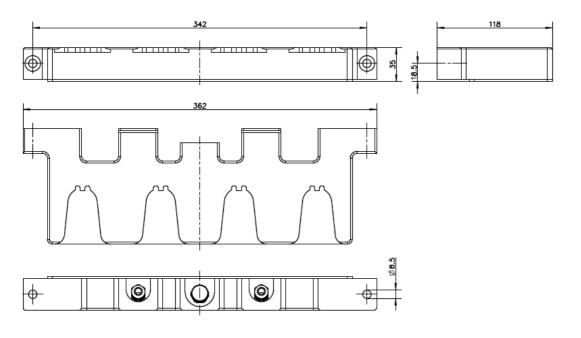
### Application

The tag reader/writer enables bottles to be continuously identified during the collection of samples.

The tag reader/writer also serves to store the necessary data (e.g. fill volume, bottling date, etc.) in the RFID tag attached to the bottom of the sample bottle.

## Technical data

### Device-specific data

| | |
|---|---|
| Nominal operating temperature | 23 ± 2 °C |

### Electrical data RFID

| | | |
|---|---|---|
| Auxiliary energy | DC 24 V | Supply from two sampler controllers, for example type 6970-30 |
| Power consumption | 2x130 mA | |
| Interface | RS 232, 4 x RxD, TxD | |
| Baud rate | 9600 bit/sec | |
| Galvanic separation | None | |
| Cable length | Max. 2.5 m | |
| Connection | 2 cables, 7 x 0.25 - wire, shielded | |
| Protocol | ISO 15693 | |
| Number of reader/writers | 4 | |
| Read/write distance | Max. 30 mm | |

### Ambient conditions

| | |
|---|---|
| Operating temperature | - 10 … + 50 °C |
| Storage temperature | - 20 … + 70 °C |
| Protective type | IP 65 |

### Mechanical data

| | |
|---|---|
| Dimensions | See drawing |
| Material | PVDF, 1.4301 |
| Weight | 1.9 kg |

**Dimensions**

## Ordering details

| Designation | Order no. |
|---|---|
| TAG Reader/Writer, type 6900-101 | 240 074 |