



# Interface Protector CUT3013 & CUT3014

## GENERAL

Brand Cimbria  
Model Interface Protector CUT3013 and CUT3014

The Unitest system can be used in all types of grain storage facilities and can be installed in both new and existing installations. The temperature is constantly monitored by means of a number of sensors which are fitted in carrying cables specially designed for installation in harsh environments.

### Interface Cabinet: (IP 66) dimensions:

Length 400 mm, Height; 200 mm, Depth 155 mm,  
Weight 7.5 kg.

### The Interface

The CUT3013 Interface with USB connection, converts RS232 signals to RS485 signals and supply 24VDC to the Address Board(s).

The CUT3014 Interface is connected to the network in the plant, which make it possible to place the PC that is used for temperature measurement anywhere on the network in the plant.

| Specification                         |                                                    |
|---------------------------------------|----------------------------------------------------|
| Supply voltage                        | 230 VAC – 50 Hz                                    |
| Power consumption                     | Max. 30 VA                                         |
| Communication                         | RS232 on PC.<br>RS485 on address board             |
| Protocol                              | Transparency                                       |
| Protocol characters                   | ASCII                                              |
| Baud rate                             | 9600, 8 Databit, 1 startbit, 1 stop bit, No parity |
| Number of busses                      | 1-4                                                |
| Number of address boards per bus line | Max. 32                                            |
| Over voltage protection               | Yes                                                |

### Bus cable (CUT1028)

The bus cables required a 4-wire-line for communications and supply. Recommendation:  
2 x 2 x 0.5. Twisted pair shielded cable.

### Connection cable:

The standard USB connection from PC to Interface is 5 m long.

### Extension cable(1025):

The length and number of sensors in one sensor cable are custom specified.

| Specification  |                  |
|----------------|------------------|
| Sensor         | NTC with diode   |
| Norm values    | 3 000 ohm / 25°C |
| Range          | -20°C to +85°C   |
| No. of sensors | Max. 24          |

### Address boards: CUT1007 (CUT3001)

Distribution box with address board (CUT1017-0002)

Only one type of address board (CUT3001) is available.  
The address boards can be connected to max 8 cables

Working conditions: -8°C to +90°C

Further information about the address board can be obtained from separate data sheet: *Address Board Protector CUT1007-CUT3001*.

Interface



Interface (open)

