

## Hardware specifications (all products are CE marked)



### WEBSERVER BUDGET

art. nr. 100596

Budget webserver suitable for small systems. Robust design with silent fans for cooling. Low heat dissipation. 2 GB RAM, 6x USB 3.0, Gigabit LAN, 2x COM, 1x DB-15, 60 GB Intel SSD built in with pre-installed SLES10 operating system and XiltriX software.  
DIMENSIONS: 22.2 x 32.8 x 10 cm. (w x d x h)  
WEIGHT: 3.1 kg.  
POWER: 100 - 240 V AC, max 45 W.



### FANLESS WEBSERVER

art. nr. 100012

Fanless webserver with fast industrial hardware. Robust design without moving parts to prevent mechanical failure. 2 GB RAM, 8x USB 2.0, dual Gigabit LAN, 4x COM, 1x DB-15, 1x DVI-D, 80 GB. Intel SSD built in with pre-installed SLES10 operation system and XiltriX software.  
DIMENSIONS: 19,5 x 26,8 x 8 cm. (w x d x h)  
WEIGHT: 3,9 kg.  
POWER: 10 - 28 V DC, max 60 W.



### 19" RACK WEBSERVER

art. nr. 100013

19" webserver with fast industrial hardware. Robust 2U design with built in hardware RAID controller. 4 GB RAM, 6x USB 2.0, dual Gigabit LAN, 6x COM, 1x DB-15, 1x DVI-D, Slimline DVD, 2x 80 GB. Intel SSD (RAID 1) built in with pre-installed SLES10 operation system and XiltriX software.  
DIMENSIONS: 42,2 x 49,3 x 8,8 cm. (w x d x h)  
WEIGHT: 19 kg.  
POWER: 10 - 28 V DC, max 125 W.



### CALYPSO

art. nr. 100293

Multifunctional devices, they operate as wireless (434 MHz.) and RS485 communication device and power supply. It can power up to 8 Titans. There is a built in watchdog with dedicated potential free output, 4x potential free alarm output, 1x network convertor (RJ45)  
DIMENSIONS: 21 x 13 x 55 cm. (w x d x h)  
WEIGHT: 1,5 kg.  
POWER: 12 V, 250 mA (adapter included)  
BACKUP BATTERY: 5000 mAh NiMH



### CALYPSO PARTICLE

art. nr. 100540

Special device, operating as communication device for particle counters. There is a built in watchdog with dedicated potential free output, 4x potential free alarm output, 1x network convertor (RJ45)  
DIMENSIONS: 21 x 13 x 55 cm. (w x d x h)  
WEIGHT: 1.5 kg.  
POWER: 12 V, 250 mA (adapter included)  
POWER BACKUP: 5000 mAh NiMH



### TITAN PT100

art. nr. 100272

4x analogue pt100 input, 4x free digital input, 1x power failure detection, 1x potential free output and 3x open collector output. Can be connected to Calypso using RS485. Titans can measure pt100's with a temperature range from -200°C up to +250°C.  
DIMENSIONS: 21 x 13 x 45 cm. (w x d x h)  
WEIGHT: 0,7 kg.  
POWER: 12 V, 100 mA (adapter included)  
BACKUP BATTERY: 2200 mAh NiMH

### TITAN MA

art. nr. 100273

4x analogue mA input, 4x free digital input, 1x power failure detection, 1x potential free output and 3x open collector output. Can be connected to Calypso using RS485. Titans can measure pt100's with a mA range from 0 up to 20 mA.  
DIMENSIONS: 21 x 13 x 45 cm. (w x d x h)  
WEIGHT: 0,7 kg.  
POWER: 12 V, 100 mA (adapter included)  
BACKUP BATTERY: 2200 mAh NiMH



### TELESTO COMBI

art. nr. 100295

2x analogue pt100/mA input, 4x free digital input, 1x power failure detection. Can be connected to Calypso for communication using wireless 434 MHz or RS485. mA range from 0 to 20 mA. Temperature range from -200°C up to +250°C.  
DIMENSIONS: 16 x 13 x 45 cm. (w x d x h)  
WEIGHT: 0,7 kg.  
POWER: 12 V, 100 mA (adapter included)  
BACKUP BATTERY: 2200 mAh NiMH



### CO<sub>2</sub> SUBSTATION

art. nr. 100001

16 inputs for maximum of 16 CO<sub>2</sub> incubators, 1x auto zero input, 1x calibration gas input. Has vacuum pump for sample taking. Does automatic calibration 3x per day. Measurements 3x per hour. Tubing to incubator up to 75 meter.  
DIMENSIONS: 40 x 20 x 50 cm. (w x d x h)  
WEIGHT: 20 kg.  
POWER: 230 V, 60 W.

### O<sub>2</sub> SUBSTATION

art. nr. 100296

16 inputs for maximum of 16 O<sub>2</sub> incubators, 1x auto zero input, 1x calibration gas input. Has vacuum pump for sample taking. Does automatic calibration 3x per day. Measurements 3x per hour. Tubing to incubator up to 75 meter.  
DIMENSIONS: 40 x 20 x 50 cm. (w x d x h)  
WEIGHT: 20 kg.  
POWER: 230 V, 60 W.



### SMS PACKAGE

art. nr. 100007

SMS terminal with XiltriX SMS license. Does bi-directional SMS alarming, with accurate alarm description. Acknowledgements can be sent, automatic message updates available. No SIM card provided.  
DIMENSIONS: 6,5 x 7,4 x 3,3 cm. (w x d x h)  
WEIGHT: 130 gr.  
POWER: 8 - 30 V DC, max 30 W.



### E-MAIL PACKAGE

art. nr. 200047

E-mail XiltriX license. Sends out e-mail messages, with accurate alarm description and built in disclaimer to up to 3 people. Automatic message updates available.



### FLASH LIGHT

art. nr. 100028

Can be used to signal local alarms. Can be connected to Titan or Calypso. Frequency of flashing can be adapted to customers' wishes.  
DIMENSIONS: 7,7 x 45 cm. (d x h)  
WEIGHT: 100 gr.  
POWER: 12 V DC, max 1 W.



### LED LIGHT (RED)

art. nr. 100537

Special LED light with aluminium build-up ring that can be used as an alarm device for XiltriX.  
DIMENSIONS: 7,0 x 0,8 cm (ø x height)  
WEIGHT: 100 gr.  
POWER: 12 V DC, max 1 W.



### LED LIGHT (GREEN)

art. nr. 100538

Special LED light with aluminium build-up ring that can be used as an alarm device for XiltriX.  
DIMENSIONS: 7,0 x 0,8 cm (ø x height)  
WEIGHT: 100 gr.  
POWER: 12 V DC, max 1 W.



### SIREN

art. nr. 100027

Can be used to signal local alarms. Can be connected to Titan or Calypso. Frequency of siren can be adapted to customers' wishes.  
DIMENSIONS: 9,2 x 7,2 cm. (d x h)  
WEIGHT: 220 gr.  
POWER: 9 - 30 V DC, 100 dB(A)



### TELEPHONE DIALER

art. nr. 100162

Automatic analogue telephone dialer with 8 separate inputs. With built in battery backup. Voice messages can be pre-recorded and sent up to 40 people. With Ethernet port for network access. Has built in line and power monitoring.  
DIMENSIONS: 23 x 17,5 x 5,5 cm. (w x d x h)  
WEIGHT: 1,1 kg.  
POWER: 49 - 245 V AC, 10 W.



### SMS ALARM BOX

art. nr. 100524

Special SMS alarm box. Can send SMS and pre-recorded voice messages to a limited number of users. Can be used as alarm device for watchdog.  
DIMENSIONS: 8,4 x 7,2 x 3,2 cm (w x d x h)  
WEIGHT: 200 gr.  
POWER 12 V DC, max 5 W.

## Sensor specifications



### PT100 ST100

art. nr. 100171

4-wire, class A, 1/10 DIN, 100mm long. With PVC mantel material. Can be used for fridges, freezers and incubators. Temperature range from -30°C up to +80°C.

DIMENSIONS: 6 x 100 mm. (Ø x l)

MATERIAL: Stainless steel tip, PVC mantel

CABLE LENGTH: 3 m.

### PT100 UL

art. nr. 100174

4-wire, class A, 1/10 DIN, 100mm long. With Teflon mantel material. Can be used for ultralow freezers, fridges, freezers, incubators and ovens. Temperature range from -100°C up to +250°C.

DIMENSIONS: 6 x 100 mm. (Ø x l)

MATERIAL: Stainless steel tip, Teflon mantel

CABLE LENGTH: 3 m.



### PT100 CRYO 160

art. nr. 100167

4-wire, class A, 1/10 DIN, 160mm long. With Teflon mantel material. Can be used for small size cryo vessel or vapour phase storage tanks. Temperature range from -200°C up to +55°C.

DIMENSIONS: 4 x 160 mm. (Ø x l)

MATERIAL: Stainless steel tip, Teflon mantel

CABLE LENGTH: 3 m.

### PT100 CRYO 310

art. nr. 100168

4-wire, class A, 1/10 DIN, 310mm long. With Teflon mantel material. Can be used for medium size cryo vessel or vapour phase storage tanks. Temperature range from -200°C up to +55°C.

DIMENSIONS: 4 x 310 mm. (Ø x l)

MATERIAL: Stainless steel tip, Teflon mantel

CABLE LENGTH: 3 m.

### PT100 CRYO 480

art. nr. 100169

4-wire, class A, 1/10 DIN, 480mm long. With Teflon mantel material. Can be used for large size cryo vessel or vapour phase storage tanks. Temperature range from -200°C up to +55°C.

DIMENSIONS: 4 x 480 mm. (Ø x l)

MATERIAL: Stainless steel tip, Teflon mantel

CABLE LENGTH: 3 m.



### SURFACE TEMPERATURE PT100

art. nr. 100340

4-wire, class B, 1/10 DIN, 30mm long. With Teflon mantel material. Can be used for surface temperature measurement inside laminar flow cabinets and on microscopes. Temperature range from -50°C up to +150°C.

DIMENSIONS: 30 x 14 x 3,4 mm. (w x d x h)

MATERIAL: Silicone, Teflon mantel

CABLE LENGTH: 3 m.



### DOOR SENSOR

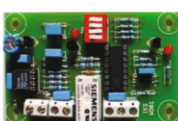
art. nr. 100034

Digital door sensor. Detects door openings > 1 cm. Can be used on any device with a moving door or lid. Comes with stainless steel mounting plates.

DIMENSIONS M2: 40 x 40 x 10 mm. (w x d x h)

MATERIAL: SS mounting plates, PVC mantel

CABLE LENGTH: +/- 30 cm.



### TROMBOCYTE SHAKING SENSOR

art. nr. 100180

Digital device for monitoring the shaking movement of thrombocyte shares. Can be connected inside the thrombocyte shaker. The digital output can be connected to any digital input XiltriX' equipment.

DIMENSIONS: 100 x 60 x 40 mm. (w x d x h)

COMPONENTS: Circuit board, with digital sensor.

CABLE LENGTH: 3 m.



### RH SENSOR

art. nr. 100194

RH sensor for monitoring the humidity inside rooms, or inside CO<sub>2</sub> incubators. Comes with transmitter and remote sensor. Humidity range from 0% up to 100%, output 4-20 mA.

TRANSMITTER: 60 x 63 x 26 mm. (w x d x h)

SENSOR: 12 x 69 mm. (Ø x l)

MATERIAL: PVC

CABLE LENGTH: +/- 65 cm.



### RH COMBI SENSOR

art. nr. 100177

RH & temperature combi-sensor for monitoring the humidity & temperature inside rooms, or inside CO<sub>2</sub> incubators. Comes with transmitter and remote sensor. Humidity range from 0% up to 100%, temperature range from -40°C up to +60°C, output 4-20 mA.

TRANSMITTER: 129 x 101 x 45 mm. (w x d x h)

SENSOR: 15 x 83 mm. (Ø x l)

MATERIAL: ABS plastic & PVC sensor head

CABLE LENGTH: From 0 up to 3m.



### RH & T COMBI SENSOR

art. nr. 100378

Wall mounted humidity and temperature sensor for room measurement. Humidity range from 0% to 100%, temperature range from -40°C to +60 °C. Output 2 x 4-20 mA.

DIMENSIONS: 83 x 83 x 28 mm. (w x h x d)

MATERIAL: ABS plastic



### PRESSURE TRANSMITTER (no display)

art. nr. on request

Differential pressure transmitter for continuous monitoring of under- or overpressure inside (clean) rooms without display. Ranges from -500 up to 500 Pa are available, output 4-20 mA.

DIMENSIONS: 157 x 94 x 59 mm. (w x d x h)

MATERIAL: PVC

CABLE LENGTH: N.A.



### PRESSURE TRANSMITTER (with display)

art. nr. on request

Differential pressure transmitter for continuous monitoring of under- or overpressure inside (clean)rooms with digital display. 2x alarm relay outputs available. Ranges from -1000 up to 1000 Pa are available, output 4-20 mA.

DIMENSIONS: 234 x 92 mm. (w x d)

MATERIAL: Stainless steel 316L

CABLE LENGTH: N.A.



### CO<sub>2</sub> STANDALONE SENSOR

art. nr. 100055

Standalone CO<sub>2</sub> sensor for continuous monitoring of CO<sub>2</sub> concentrations in rooms or CO<sub>2</sub> incubators. Needs 24 V adaptor. Ranges available from 0-20% CO<sub>2</sub>, output 4-20 mA.

TRANSMITTER: 119 x 119 x 31,5 mm. (w x d x h)

SENSOR: 18,5 x 109 mm. (Ø x l)

MATERIAL: ABS plastic & PVC sensor head

CABLE LENGTH: From 0 up to 3 m.



### CO<sub>2</sub> SENSOR, WITHOUT TRANSMITTER

art. nr. 100595

Standalone CO<sub>2</sub> sensor for continuous monitoring of CO<sub>2</sub> concentrations in rooms or CO<sub>2</sub> incubators. Can be directly connected to Telesto or Titan. Ranges from 0-20% CO<sub>2</sub>, dual beam IR sensor, output 4-20 mA.

MATERIAL: Aluminium housing, with PVC cable

DIMENSIONS: 44,3 x 9,1 cm. (ø x l)

POWER: 12 - 24 VDC

CABLE LENGTH: 1.5 m.



### O<sub>2</sub> FUEL CELL

art. nr. 100163

Standalone O<sub>2</sub> fuel cell for the continuous monitoring of O<sub>2</sub> concentrations inside rooms or triple gas incubators. Ranges available from 0-100% O<sub>2</sub>. Sensor is disposable, output 4-20 mA.

TRANSMITTER: 120 x 80 x 58 mm. (w x d x h)

SENSOR: 20 x 50 mm. (Ø x l)

MATERIAL: ABS plastic

CABLE LENGTH: From 0 up to 3 m.



### PARTICLE COUNTERS

art. nr. on request

Particle counting systems for clean rooms can be supplied for any lab. Quotations are on request depending on the situation within the lab, output 2x 4-20 mA.

TRANSMITTER: Depends on configuration

ISOKINETIC PROBE: Depends on configuration

MATERIAL: Stainless steel and Teflon

TUBE LENGTH: up to 3 m. to isokinetic probe



### CONDUCTIVITY SENSORS

art. nr. on request

Sensors for the monitoring of water quality. The sensor measures inline conductivity of the demin water supply, output 4-20 mA.

TRANSMITTER: Depends on configuration

SENSOR: Depends on configuration

MATERIAL: ABS plastic and PVC

CABLE LENGTH: Depends on configuration