

Type Approval Certificate



This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **59 136 - 08 HH**
Company **Sitek S.p.A.**
 Via Monte Fiorino 9
 37057 San Giovanni Lupatoto (VR), ITALY

Product Description **Touch Screen Colour Displays**

Type **UniOP / Tline**
 NaviOP

Environmental Category **C, EMC 1**

Technical Data / **HMI touch screen families with resistive touchscreen**
Range of Application

The technical details of the Displays are listed on page 2.
Accessories are listed on page 3.
The software(firmware) versions are listed on page 3.

Test Standard **Guidelines for the Performance of Type Approvals Part 2, Edition 2003**

Documents **Test reports according to page 3.**
 Submitted CD "Documents to GL".
 Software Questionnaire according to requirement class 3 (pdf of 25.06.2008)

Remarks **None**

Valid until **2013-07-15**

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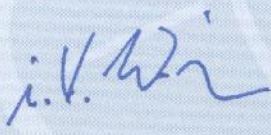
Type Approval Symbol




File No. **I.B.06**

Hamburg, 2008-07-16

Germanischer Lloyd


Jürgen Wittburg


Marco Rinkel

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".

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UniOP xP5-Vxxx, Tline xP5-Vxxx, NaviOP NP-XP570-Nxxx

Display: 5.7" TFT colour display, VGA(640x480), 115,2 x 86.4 mm active area, resistive touchscreen
Brightness: 350 cd/m², Interfaces: RS-232, RS-422, 2 x CAN, Ethernet 10/100 Mbit

UniOP xP8-Vxxx, Tline xP8-Vxxx, NaviOP NP-eTOP20-Nxxx-1

Display: 8.4" TFT colour display, VGA(640x480), 170,9 x 128,2 mm active area, resistive touchscreen
Brightness: 400 cd/m², Interfaces: RS232, RS422, 2 x CAN, Ethernet 10/100 Mbit

UniOP eTOP19CP-xxx52, Tline eTOP19CP-xxx52, NaviOP NP1300S-xxx (*)

Display: 5.6" TFT colour display, QVGA(320x240), 121 x 91 mm active area, resistive touchscreen
Brightness: 500 cd/m², Interfaces: PC/Printer port, PLC port RS232, RS485, RS422, Ethernet 10/100 Mbit

UniOP eTOP38CP-xxx52, Tline eTOP38CP-xxx52, NaviOP NP2300V-xxx (*)

Display: 10.4" TFT colour display, SVGA(800x600), 218 x 159 mm active area, resistive touchscreen
Brightness: 700 cd/m², Interfaces: PC/Printer port, PLC port RS232, RS485, RS422, Ethernet 10/100 Mbit

UniOP eTOP40CP-xxx52, Tline eTOP40CP-xxx52, NaviOP NP3300T-xxx (*)

Display: 12.1" TFT colour display, SVGA(800x600), 246x184 mm active area, resistive touchscreen
Brightness: 250 cd/m², Interfaces: PC/Printer port, PLC port RS232, RS485, RS422, Ethernet 10/100 Mbit

UniOP eTOP49CP-xxx52, Tline eTOP49CP-xxx52, NaviOP NP3300V-xxx (*)

Display: 12.1" TFT colour display, SVGA(800x600), 246x184 mm active area, resistive touchscreen
Brightness: 700 cd/m², Interfaces: PC/Printer port, PLC port RS232, RS485, RS422, Ethernet 10/100 Mbit

UniOP eTOP50CP-xxx52, Tline eTOP50CP-xxx52, NaviOP NP4300T-xxx (*)

Display: 15" TFT colour display, XVGA(1024x768), 304x228 mm active area, resistive touchscreen
Brightness: 200 cd/m², Interfaces: PC/Printer port, PLC port RS-232, RS485, RS-422, Ethernet 10/100 Mbit

UniOP eTOP59CP-xxx52, Tline eTOP59CP-xxx52, NaviOP NP4300V-xxx (*)

Display: 15" TFT colour display, XVGA(1024x768), 304x228 mm active area, resistive touchscreen
Brightness: 650 cd/m², PC/Printer port, PLC port RS232, RS485, RS422, Ethernet 10/100 Mbit

"xxx" are variations without technical or functional effects

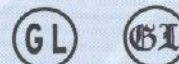
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Accessories for models marked with (*):

- SCM05P-C PLC module
- TCM09P CANopen module
- UIM05P I/O module

Software (Firmware) Versions:

- xP5-Vxxx UniOP/Tline, NP-XP570-Nxxx NaviOP: FW 73
- xP8-Vxxx UniOP/Tline, NP-eTOP20-Nxxx-1 NaviOP: FW 73
- eTOP19CP-xxx52 UniOP/Tline, NP1300S-xxx NaviOP: FW 70
- eTOP38CP-xxx52 UniOP/Tline, NP2300V-xxx NaviOP: FW 70
- eTOP40CP-xxx52 UniOP/Tline, NP3300T-xxx NaviOP: FW 70
- eTOP49CP-xxx52 UniOP/Tline, NP3300V-xxx NaviOP: FW 70
- eTOP50CP-xxx52 UniOP/Tline, NP4300T-xxx NaviOP: FW 70
- eTOP59CP-xxx52 UniOP/Tline, NP4300V-xxx NaviOP: FW 70

Test Reports:

EMC Test Report:

R07089201 Rev. 1.0, R07089301 Rev. 1.0, R08028501 Rev. 1.0, R07120101 Rev. 1.0, R07172601 Rev. 1.0,
R07095201 Rev. 1.0, R07172701 Rev. 1.0, R07095401 Rev. 2.0

CLIMATIC Test Report:

E07157401 Rev. 1.0, E07157201 Rev. 1.0, E07157402 Rev. 1.0, E07157403 Rev. 1.0, E07157404 Rev. 1.0,
E07157405 Rev. 1.0, E07157406 Rev. 1.0, E07157301 Rev. 1.0

VIBRATION Test Report:

V08066601 Rev. 1.0, V07002801 Rev. 1.0, V07165001 Rev. 1.0, V08076802 Rev. 1.0, V08066604 Rev. 1.0,
V07164902 Rev. 1.0, V08076801 Rev. 1.0, V07164901 Rev. 1.0

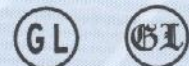
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