



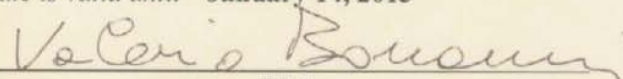
TYPE APPROVAL CERTIFICATE
No. ELE575907CS



This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	Operator panels
<i>Type</i>	UniOP/ Tline: TFT touch screen; colour display; NaviOP: TFT touch screen; colour display
<i>Applicant</i>	SITEK S.P.A. Via Monte Fiorino, 9 37057 S. Giovanni Lupatoto, Verona ITALY
<i>Manufacturer</i>	SITEK S.P.A.
<i>Place of manufacture</i>	Via Monte Fiorino, 9 37057 S. Giovanni Lupatoto, Verona ITALY
<i>Reference standards</i>	- RINA Rules for the Classification of Ships - Part C, Machinery, Systems and Fire Protection - Chapter 3, Section 6 , table 1

Issued in **Genoa** on **January 14, 2008**. *This Certificate is valid until* **January 14, 2013**


RINA
Valerio Bonanni

This certificate consists of this page and 1 enclosure



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No. **ELE575907CS**

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**UniOP/ Tline: TFT touch screen; colour display;
NaviOP: TFT touch screen; colour display**

Brand: UniOP/Tline

Model	Technical data
xP5-Vxxx	5.7" TFT color display VGA (640x480) resolution, resistive touchscreen; Interfaces: RS-232, RS-422, 2x CAN , Ethernet 10/100 Mbit, Brightness 350cd/mq, Active display area115.2x86.4mm
xP8-Vxxx	8.4" TFT color display VGA (640x480) resolution, resistive touchscreen; Interfaces: RS-232, RS-422, 2x CAN , Ethernet 10/100 Mbit Brightness 400cd/mq, Active display area170.9x128.2mm
eTOP19CP-xxx52 (*)	5.6 " TFT Color display 1/4 VGA (320x240) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100 Mbit Brightness: 500 cd/mq, Active display area: 121x91 mm
eTOP38CP-xxx52 (*)	10.4" TFT color display SVGA (800x600) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 700 cd/mq, Active display area: 218x159 mm
eTOP40CP-xxx52 (*)	12.1" TFT color display SVGA (800x600) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 250 cd/mq , Active display area: 246x184 mm
eTOP49CP-xxx52 (*)	12.1" TFT color display SVGA (800x600) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 700 cd/mq, Active display area: 246x184 mm
eTOP50CP-xxx52 (*)	15" TFT color display XVGA (1024x768) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 200 cd/mq, Active display area: 304x228 mm
eTOP59CP-xxx52 (*)	15" TFT color display XVGA (1024x768) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 650 cd/mq, Active display area: 304x228 mm

When used, xxx indicates variation not relevant to technical features or functionality of the products

Brand: NaviOP

Model	Technical data
NP-XP570-NA03	5.7" TFT color display VGA (640x480) resolution, resistive touchscreen; Interfaces: RS-232, RS-422, 2x CAN , Ethernet 10/100 Mbit, Brightness 350cd/mq, Active display area115.2x86.4mm
NP-eTOP20-NA06-1	8.4" TFT color display VGA (640x480) resolution, resistive touchscreen; Interfaces: RS-232, RS-422, 2x CAN , Ethernet 10/100 Mbit, Brightness 400cd/mq, Active display area170.9x128.2mm
NP1300S-GSN (*)	5.6 " TFT Color display 1/4 VGA (320x240) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop Brightness: 500 cd/mq, Active display area: 121x91 mm
NP2300V-GSN (*)	10.4" TFT color display SVGA (800x600) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 700 cd/mq, Active display area: 218x159 mm
NP3300T-GSN (*)	12.1" TFT color display SVGA (800x600) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 250 cd/mq , Active display area: 246x184 mm
NP3300V-GSN (*)	12.1" TFT color display SVGA (800x600) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 700 cd/mq, Active display area: 246x184 mm
NP4300T-GSN (*)	15" TFT color display XVGA (1024x768) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 200 cd/mq, Active display area: 304x228 mm
NP4300V-GSN (*) NP4300V-NSN (x) (*) (x) different colour	15" TFT color display XVGA (1024x768) resolution, resistive touchscreen; Interfaces: PC/printer port, PLC port RS232, RS485, RS-422, 20 mA Loop, Ethernet 10/100Mbit Brightness: 650 cd/mq, Active display area: 304x228 mm

Accessories for Models marked with (*):

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



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Reference Documents

TN275-0 (09/01/08); TN276-0 (09/01/2008); TN277-0 (09/01/2008); TN278-0 (09/01/2008); TN279-0 (09/01/2008);
TN280-0 (09/01/2008); TN281-0 (14/01/2008); TN282-0 (14/01/2008);
MANUSCM05 V1.00 (12/07), MANUTCM09 V1.06 (12/07), MANUUIM05 V.1.08 (12/07)

Test Reports

CMC Lab. report n° S07172201- 08/01/08; NP-eTOP20-NA06-1 - (Power supply disturbance)
CMC Lab. report n° V07002801- 12/02/07; NP-eTOP20-NA06-1 - (Mechanical)
CMC Lab. report n° R07089301- 21/12/07; NP-eTOP20-NA06-1 - (EMC)
CMC Lab. report n° E07157201 - 08/01/08; NP-eTOP20-NA06-1 - (Environmental)
CMC Lab. report n° S07172301 - 08/01/08; eTOP59CP-0052+SCM05P-C+TCM09P+UIM05P - (Power supply disturbance)
CMC Lab. report n° V07164901 - 08/01/08; eTOP59CP-0052+SCM05P-C+TCM09P+UIM05P - (Mechanical)
CMC Lab. report n° R07095401 rev.20 - 07/01/08; eTOP59CP-0052+SCM05P-C+TCM09P+UIM05P - (EMC)
CMC Lab. report n° E07157301 - 08/01/08; eTOP59CP-0052+SCM05P-C+TCM09P+UIM05P - (Environmental)

Genoa January 14, 2008