



Summary

Control panel CP501 ... CP555 and accessories

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Control panels

Overview



CP501

CP502

CP503

CP511

CP512

Display type	STN-LCD with background illum.	STN-LCD with background illum.	STN-LCD with background illum.	STN-LCD with background illum.	B/W-STN-LCD with background illum.
Display	text	text	text	graphics and text	graphics and text
Display size	2 lines x 16 characters	2 lines x 20 characters	4 lines x 20 characters	240 x 64 Pixels (5.2")	240 x 128 Pixels (5.3")
Display area W x H mm (inch)	55.7 x 11.0 (2.2" x 0.4")	75.4 x 11.5 (2.9" x 0.4")	70.4 x 20.8 (2.8" x 0.8")	127.2 x 33.9 (5.0" x 1.3")	120.0 x 64.0 (4.7" x 2.5")
Text height (mm)	5	5	5	variable	variable
LEDs	–	–	5 (2 colors)	16 (2 colors)	16 (2 colors)
Function keys / others keys	4	3 / 20	5 / 22 (with labels)	8 / 22 (with labels)	16 / 22 (8 with labels)
Web functions	–	–	–	with IFC ETTP	with IFC ETTP
Buzzer	–	–	–	•	•
Alarm management	–	–	1 groups	4 groups	4 groups
Time channel	–	•	•	•	•
Real-time clock	–	•	•	•	•
Trends	–	–	–	Real time	Historic
Recipe management	–	•	•	•	•
Print-outs of reports	–	•	•	•	•
Pass-word protection	–	8 levels	8 levels	8 levels	8 levels
Multi language support	–	•	•	•	•
Memory for applications	16 kB Flash	64 kB Flash	64 kB Flash	400 kB Flash	400 kB Flash
Voltage supply	24 V d.c.	24 V d.c.	24 V d.c.	24 V d.c.	24 V d.c.
Current consumption	200 mA	150 mA	150 mA	450 mA	450 mA
Ambient temperature	0 – 50 °C	0 – 50 °C	0 – 50 °C	0 – 50 °C	0 – 50 °C
Communication interface	RS232 or RS422	RS232 and RS422 or RS485 (2 at the same time)	RS232 and RS422 or RS485 (2 at the same time)	RS232 and RS422	RS232 and RS422
Extension slot	–	–	–	1	1
Protection class front cover	IP65	IP65	IP65	IP65	IP65
Dimensions W x H x D mm (inch)	104 x 69 x 38 (4.1" x 2.7" x 1.5")	142 x 100 x 29 (5.6" x 3.5" x 1.1")	147 x 163,5 x 38 (5.8" x 6.4" x 1.5")	211 x 198 x 69 (8.3" x 7.8" x 2.7")	214 x 232 x 87 (8.4 x 9.1" x 3.4")
Weight (kg)	0.2	0.5	0.7	1.5	1.4

Control panels

Overview



1SBC491277F0304



1SBC491183F0304



1SBC491215F0304



1SBC491265F0304



1SBC491265F0304

CP513

CP551

CP552

CP554

CP555

Color-LCD with background illum.	Touch-B/W-STN with background illum.	Touch-LCD 16 gray scales	Color-Touch-Display, TFT	Color-Touch-Display, TFT
graphics and text	graphics and text	graphics and text	graphics and text	graphics and text
320 x 240 Pixels (5.7")	320 x 240 Pixels (3.8")	320 x 240 Pixels (5.7")	320 x 240 Pixels (5.7")	640 x 480 Pixels (10.4")
115.2 x 86.4 (4.5" x 3.4")	76.8 x 57.6 (3.0" x 2.3")	115.2 x 86.,4 (4.5" x 3.4")	115.2 x 86.4 (4.5" x 3.4")	211.2 x 158.4 (8.3" x 6.2")
variable	variable	variable	variable	variable
16 (2 colors)	–	–	–	–
16 / 22 (8 with labels)	–	–	–	–
with IFC ETTP	•	with IFC ETTP	with IFC ETTP	with IFC ETTP
•	•	•	•	•
16 groups	4 groups	5 groups	5 groups	11 groups
•	•	•	•	•
•	•	•	•	•
Historic	Historic	Historic	Historic	Historic
•	•	•	•	•
•	•	•	•	•
8 levels	8 levels	8 levels	8 levels	8 levels
•	•	•	•	•
400 kB Flash	400 kB Flash	400 kB Flash	400 kB Flash	1600 kB Flash
24 V d.c.	24 V d.c.	24 V d.c.	24 V d.c.	24 V d.c.
550 mA	150 mA	400 mA	450 mA	1 A
0 – 50 °C	0 – 50 °C	0 – 50 °C	0 – 50 °C	0 – 50 °C
RS232 and RS422 or RS485 (2 at the same time)	RS232 and RS422 or RS485 (2 at the same time) Ethernet RJ45	RS232 and RS422 or RS485 (2 at the same time)	RS232 and RS422 or RS485 (2 at the same time)	RS232 and RS422
2	–	1	1	2
IP65	IP65	IP65	IP65	IP65
276 x 198 x 89 (10.9" x 7.8" x 3.5")	142 x 90 x 47,5 (5.7" x 3.6" x 1.9")	200 x 150 x 69 (7.8" x 5.9" x 2.7")	200 x 150 x 69 (7.8" x 5.9" x 2.7")	290 x 250 x 105 (11.4" x 9.8" x 4.1")
1.7	1.4	1.5	1.5	3.3

Control panels

Ordering details

Description

The control panel CP5xx ideally fulfill the requirements of automated processes for more transparency and efficiency: they create insight into the activities and the conditions of machines and installations and they allow for an intervention into the proceedings that happen there.

To this end we offer an extensive line of control panel, that ranges from the basic CP 501 for the display of text to devices that provide a graphics screen to the touch-panel CP 555 with a color display. They communicate with the controllers of the Advant Controller 31 system and have read and write access to the data of these controllers.

The communication between control panel and controller happen via the serial interface. When running complex applications Ethernet or various other bus systems can also be used.

The same software is used for all devices for fast and easy configuration. The commands and programming language are identical for all devices.

Software menu offer 6 languages for easy use (English, French, German, Italian, Spanish, Swedish)

The function keys of most devices consist of switchable 2-color LEDs, marking stripes allow for the labeling and thus support the convenient operator guidance.

The front cover of all devices offer protection class IP65.



CP502

1SBC491204F0304



CP512

1SBC491277F0304



CP554

1SBC491204F0304

Control Panels with text display

- LCD with background illumination
- Voltage supply 24 V d.c.
- Memory: CP501 - 16 kB
CP502, CP503 - 64 kB
- CP502/503:
Real-time clock
Recipe management
Password protection in 8 levels
Multi language support

Lines	Characters by line	Function keys / other keys	LEDs	Interfaces	Type	Order code	Weight 1 piece kg
2	16	4	–	RS232 or RS422	CP501	1SBP 260 170 R1001	0.2
2	20	3 / 20	–	RS232, RS422, RS485	CP502	1SBP 260 171 R1001	0.5
4	20	5 / 22	5	RS232, RS422, RS485	CP503	1SBP 260 172 R1001	0.7

Control panels with graphics display

- LCD with background illumination
- CP513 with color display
- Voltage supply 24 V d.c.
- Graphics- and text display
- Real-time clock
- Trends
- Recipe management
- CK516 management
- Password protection in 8 levels
- Multi language support
- Memory 400 kB

Pixels	Function keys / Other keys	LEDs	Interfaces	Type	Order code	Weight 1 piece kg
240 x 64	8 / 22	16	RS232, RS422	CP511	1SBP 260 173 R1001	1.5
240 x 128	16 / 22	16	RS232, RS422	CP512	1SBP 260 174 R1001	1.4
320 x 240	16 / 22	16	RS232, RS422	CP513	1SBP 260 175 R1001	1.7

Control panels with touch-display

- LCD with background illumination
- CP554/555 with TFT color-display
- Voltage supply 24 V d.c.
- Graphics- and text display
- Real-time clock
- Trends
- Recipe management
- CK516 management
- Password protection in 8 levels
- Multi language support
- Memory 400 kB for CP551, CP552, CP554, 1600 kB for CP555

Pixels	Display	Interfaces	Type	Order code	Weight 1 piece kg
320 x 240	B/W - STN 3.8"	RS232, RS422, RS485 Ethernet RJ45	CP551	1SBP 260 176 R1001	1.4
320 x 240	B/W - STN 5.7"	RS232, RS422, RS485	CP552	1SBP 260 177 R1001	1.5
320 x 240	Color TFT 5.7"	RS232, RS422, RS485	CP554	1SBP 260 178 R1001	1.5
640 x 480	Color TFT 10.4"	RS232, RS422	CP555	1SBP 260 179 R1001	3.3

Control panels

Ordering details

Programming cables

Description	Type	Order code	Weight 1 piece kg
RS232 / PC	CAB5	1SBN 260 210 R1001	
RS422 / PC	CAB6	1SBN 260 211 R1001	

Communications cables

Controller	Type	Order code	Weight 1 piece kg
RS232 / series 40 / 50 MiniDin	CAB45	1SBN 260 213 R1001	
RS232 / series 90	CAB90	1SBN 260 214 R1001	
Converter RS422/RS485	CAB8	1SBN 260 212 R1001	

Programming software for CP500 Control panels

For CP500 Control panels on CD-ROM.
(Includes documentation)

Description	Type	Order code	Weight 1 piece kg
Software, documentation on CD	CP500 Soft	1SBS 260 283 R1001	

Accessories

Description	Type	Order code	Weight 1 piece kg
Add-on keyboard (16 keys, 16 leds)	CK516	1SBP 260 180 R1001	
Communication interface PROFIBUS DP	IFCPBDP	1SBN 260 320 R1001	
Communication interface Ethernet	IFCETTP	1SBN 260 322 R1001	
Printer interface	IFC-PI	1SBN 260 325 R1001	
Interface for Smart Media Card	IFC-MC	1SBN 260 324 R1001	
Smart Media Card 4 MB	PCMCIA 4MB	1SBN 260 326 R1001	
Smart Media Card 8 MB	PCMCIA 8MB	1SBN 260 327 R1001	
Protection sheet for display CP551	5 Protection sheet CP551	1SBN 260 330 R1001	
Protection sheet for display CP552	5 Protection sheet CP552	1SBN 260 328 R1001	
Protection sheet for display CP554	5 Protection sheet CP554	1SBN 260 331 R1001	
Protection sheet for display CP555	5 Protection sheet CP555	1SBN 260 329 R1001	



CK516

1SBC281105F0302



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