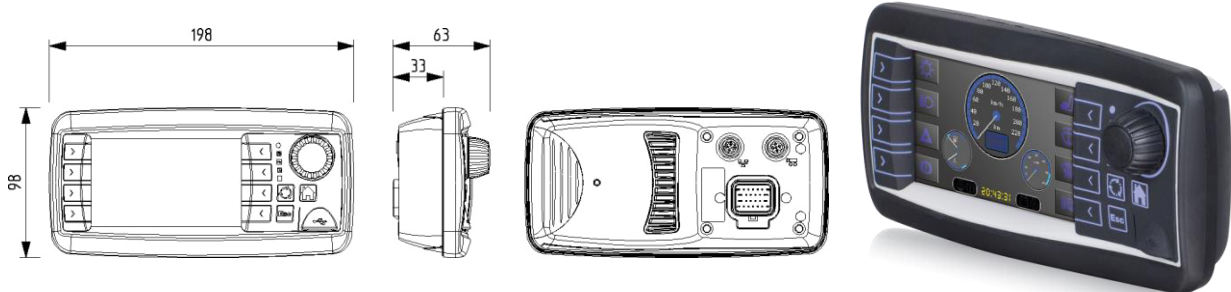


DATA SHEET

Display Series 3000

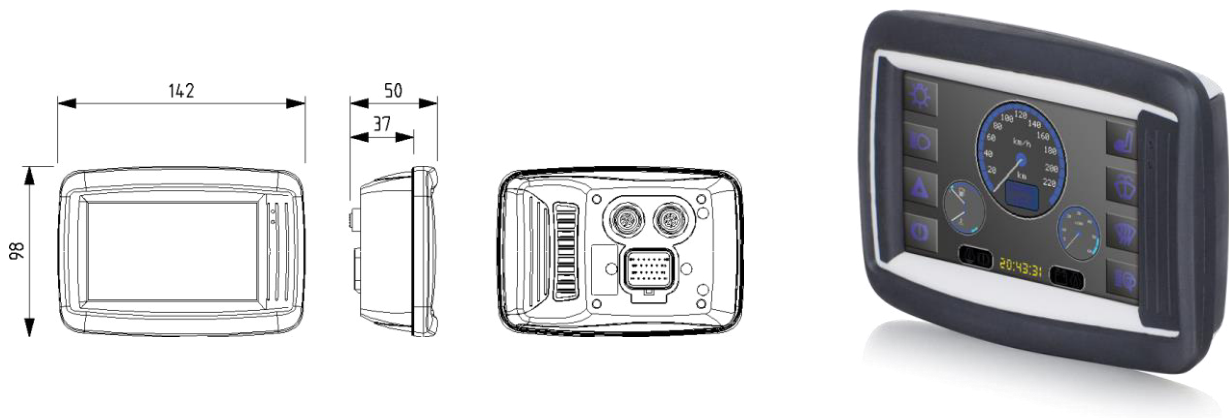
PROEMION
Telematics Systems



Mechanical Data	3001	3002
Dimensions width / height / depth [mm]	198 / 98 / 63	
Degree of protection	IP 6K6 (ISO 20653)	
Temperature range	-30 °C ... +65 °C / -22 °F ... +149 °F	
Weight	430 g	450 g
Electrical Data		
DC power supply	9 V ... 36 V	
Power input @ 24 V	< 240 mA	
Memory: Configuration / EEPROM / RAM	18 MB / 28 kB / 128 MB	
Input elements	8 softkeys, 3 hardkeys, 1 jog-wheel	
Status LED (multicolor, dimmable)	1	
Symbol LEDs (single color)	3	
Buzzer	-	✓
Real-time clock with backup / accuracy	Backup-time 2 weeks / ± 4 sec/day	
Display Data		
Display type / resolution / max. brightness	4,3", 16:9 transmissive TFT / 480 x 272 px / 400 cd/m ²	
Touch screen	-	✓
Backlight for keys and display	Dimmable	
Interfaces / Protocols		
CAN (ISO 11898-2 High Speed, 2.0 A/B)	2	
USB (Host)	1 (USB 2.0, main connector)	2 (USB 2.0, front / main connector)
Video interface (PAL / NTSC)	-	1
Outputs	-	3 digital OUT
Inputs	-	4 analog IN
Ambient light sensor	-	✓
CANopen, Layer 2, J1939	✓	
Customized CAN protocols	On request	
Software		
PROEMION Tools CD	157 002 059	
Product number / Accessories		
Display Color	251 007 029	251 007 030
Cable RM Display Color 3000, 2m (full occupancy)	136 000 140	
Cable RM Display Color 3000, 2m (2 CAN / Power / USB)	136 000 141	
Starter Kit		
Display Color Starter Kit	253 000 101	253 000 102
Certifications		
CE, FCC, E1	✓	

DATA SHEET

Display Series 3010



Mechanical Data	3011	3012
Dimensions width / height / depth [mm]	142 / 98 / 48	142 / 98 / 50
Degree of protection	IP 6K5 (ISO 20653)	
Temperature range	-30 °C ... +65 °C / -22 °F ... +149 °F	
Weight	280 g	300 g
Electrical Data		
DC power supply	9 V ... 36 V	
Power input @ 24 V	< 240 mA	
Memory: Configuration / EEPROM / RAM	18 MB / 28 kB / 128 MB	
Input elements	-	
Status LED (multicolor, dimmable)	1	
Buzzer	-	✓
Real-time clock with backup / accuracy	Backup-time 2 weeks / ± 4 sec/day	
Display Data		
Display type / resolution / max. brightness	4,3", 16:9 transmissive TFT / 480 x 272 px / 400 cd/m ²	
Touch screen	-	✓
Backlight for keys and display	dimmable	
Interfaces / Protocols		
CAN (ISO 11898-2 High Speed, 2.0 A/B)	2	
USB (Host)	1 (USB 2.0 full speed, on main connector)	
Video interface (PAL / NTSC)	-	1
Outputs	-	3 digital OUT
Inputs	-	4 analog IN
Ambient light sensor	-	✓
CANopen, Layer 2, J1939	✓	
Customized CAN protocols	On request	
Software		
PROEMION Tools CD	157 002 059	
Product number / Accessoires		
Display Color	251 007 031	251 007 032
Cable RM Display Color 3000, 2m (full occupancy)	136 000 140	
Cable RM Display Color 3000, 2m (2 CAN / Power / USB)	136 000 141	
Starter Kit		
Display Color Starter Kit	253 000 103	253 000 104
Certifications		
CE, FCC, E1	✓	