

Perfect for **Outdoor Use**

- **EV Charging Stations** – Weather-resistant, easy to read.
- **Agriculture** – Survives dust, moisture & temperature shifts.
- **Construction** – Rugged and impact-resistant.
- **Car Washing Machine**

Ready to Upgrade?

Discover how the DOP-107WVCS can improve your outdoor operations with its durability, high visibility, and seamless performance.

Contact Us Now!

Phone:

+31 40 800 3900

Website:

www.delta-emea.com

Email:

Sales.IA.EMEA@deltaww.com

Address:

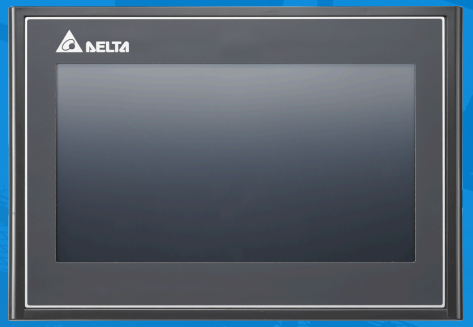
Automotive Campus 260,
5708 JZ Helmond, The Netherlands

DOP-107WVCS

Outdoor HMI

Built for Harsh Conditions

Reliable | Weatherproof | High Visibility



www.delta-emea.com

Why Choose This HMI?

IP66 Waterproof & Dustproof

Fully protected against dust and powerful water jets, making it ideal for outdoor applications.

Ultra-High Brightness (1000 cd/m²)

Ensures readability even in direct sunlight.

Full Lamination Technology

Reduces glare, improves durability, and enhances visibility in bright light.

Wide Operating Temperature

Performs reliably in extreme hot and cold conditions, -30°C to +70°C.

Certified for Safety

CE and UL certified, meeting industry standards.

Software & Compatibility

Why DIAscreen?

Pairing DOP-107WVCS with DIAscreen Allows users to develop visualization interfaces tailored to various industrial applications.

Powered by DIAscreen Software

- **Seamless Integration** – Supports multiple drivers, including IIoT capabilities like **MQTT**, **OPC UA**, and **IFTTT** (e.g., **WhatsApp**, **Line**).
- **User-Friendly** – Simplifies operation & monitoring.
- **Reliable Performance** – Optimized for tough environments.

Technical Specifications

Model		DOP-107WVCS
LCD Module	Display Type	7" TFT LCD (65535 colors)
	Resolution	800 x 480 pixels
	Backlight	LED Back Light (less than 20,000 hours half-life at 25oC)
	Display Size	154.08 x 85.92 mm
	Brightness	1000 cd/m² (Typ.)
CPU		ARM Cortex-A8 (1GHz)
Flash ROM		1000 Mbytes
RAM		1000 Mbytes
Touch Screen		4-wire resistive touch screen > 10,000,000 operated
Buzzer		Multi-Tone Frequency (2 K ~ 4 K Hz) / 80 dB
Ethernet Interface		10/100 Mbps Auto sensing (with built-in isolated power circuit)
USB		1 USB Slave Ver 2.0 1 USB Host Ver 2.0
Serial Comm. Port	COM1	RS-232 (supports flow control)
	COM2	RS-232 (supports flow control) / RS-485
	COM3	RS-422 / RS-485
Cooling Method		Natural cooling
Safety Approval		CE / UL (Please use shielding Ethernet cable and the magnetic ring with filter of 300 ohm/100 MHz)
Waterproof Level of Panel Display		IP 66/NEMA 4/Type 12/Type 4X (indoor and outdoor use)
Operation Voltage		8.4W (Max)
Power Consumption		+24 VDC (-15% ~ +20%) (with built-in isolated power supply unit) Supplied by Class 2 or SELV circuit (isolated from MAINS by double insulation)
Backup Battery		3V lithium battery CR2032 × 1
Operating Environment		10% ~ 90% RH [0 ~ 40oC], 10% ~ 55% RH [41 ~ 50oC], 10% ~ 20% RH [51 ~ 70oC]; Pollution degree: 1
Storage Environment		10%~95%RH【0~40 oC】, 10%~55%RH【41~50 oC】, 10%~20%RH【51~80 oC】
Dimension (W) x (H) x (D) mm		196 x 136 x 39
Dimension for Installation (W) x (H) mm		186.8 x 126.8
Weight		Approx. 560 g