



Wiper DL30 / DL200

02A90000X



Wiper DL

The DL30 / DL200 wiper is an innovative mechanical wiper system suitable for a wide range of optical instruments. Through regular gentle brushing, it keeps the optical window of the measuring device free from bio-fouling and unwanted deposits.

The DL wiper reduces the need for costly site visits to manually clean sensors, ensuring data integrity during long deployments.

Developed back in 2007, the wiper system is used worldwide by educational institutions, research organizations, government agencies and private companies in some of the harshest environments.

The standard model is suitable for use with fluorometers, photometers and turbidity sensors as well as sensors for measuring other parameters.

Advantages

- Specially designed brushes for optical sensors
- Parking position and wiping angle easily adjustable
- Fail-safe technology
- Two depth versions available, 30 m version and 200 m version

Applications

- Use in open waters
- Use in seawater
- Industrial process monitoring
- Use in sewage treatment plants
- Use in waterworks

Variants

Wiper DL30	Immersion depth up to 30 m
Wiper DL200	Immersion depth up to 200 m

Wiper DL30 / DL200

Technical specifications

Brush construction	PVC shaft, nylon bristles; user-replaceable	
Housing material	Acetal (POM) with titanium shaft	
Dimensions (L x Ø)	~ 206 x 41 mm	~ 8.1 x 1.6'
Weight wiper	0.3 kg*	0.66 lbs*
Weight cable 10 m	0.36 kg	0.79 lbs
Path lengths	2 mm, 5 mm, 10 mm, 20 mm, 50 mm	

*Wiper DL30, housing only, without brush, without brackets, without cable and without plug

Wiper controller

Supply voltage	9 – 24 VDC	
Power consumption between wipes	0.06 mA	
Power consumption during wiping	~ 90 mA typical	

Max. Pressure	Immersion depth 30 m	3 bar	~ 45.5 psi
	Immersion depth 200 m	20 bar	~ 290.1 psi
Degree of protection	IP68		
Operating temperature	+2...+40 °C	+35.6 to +104 °F	
Storage temperature	-10...+70 °C	+14 to +158 °F	

Maintenance effort	≤ 0.5 h/month typical
Maintenance interval	Depending on application
Warranty	1 year (EU & USA: 2 years)