

# Pocket-Size Pressure Logger

# DEFI2-DHG & DEFI2-D

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## Overview

The DEFI2-D and DEFI2-DHG are memory-type pressure loggers (depth gauges) designed for long-term continuous monitoring. The DEFI2-D can perform continuous observations for up to approximately 573 days at 1-minute intervals, while the DEFI2-DHG can do so for up to approximately 52 days. These devices are ideal for monitoring water depth and tidal levels, as well as for behavior studies when attached to fishing nets and for mooring depth monitoring when attached to other underwater measuring instruments. Additionally, the high-precision compact memory pressure loggers include models rated for 2,000 m, enabling observations at great depths.

## Sensor Specifications

	High accuracy pocket-size pressure logger				Pocket-size pressure logger		
Model	DEFI2-D5HG	DEFI2-D20HG	DEFI2-D50HG	DEFI2-D2XHG	DEFI2-D10	DEFI2-D20	DEFI2-D50
Parameter	Pressure (Depth)						
Sensor Type	Semiconductor Pressure Sensor						
Range (*equivalent)	0 to 0.5 MPa	0 to 2 MPa	0 to 5 MPa	0 to 20 MPa	0 to 1 MPa	0 to 2 MPa	0 to 5 MPa
	(0 to 50 m)*	(0 to 200 m)*	(0 to 500 m)*	(0 to 2,000 m)*	(0 to 100 m)*	(0 to 200 m)*	(0 to 500 m)*
Resolution (*equivalent)	0.00005 MPa	0.0002 MPa	0.0005 MPa		0.0001 MPa	0.0002 MPa	0.0005 MPa
	(0.005 m)*	(0.02 m)*	(0.05 m)*		(0.01 m)*	(0.02 m)*	(0.05 m)*
Accuracy	±0.3% FS				±1.0% FS (25°C)		
Response Time	0.05 sec (90% response standard value)						
Pressure Resistance	Corresponds to each measurement range						
Weight	Approx. 132 g in air / Approx. 72 g in water (including battery)				Approx. 98 g in air / Approx. 62 g in water (including battery)		
Dimensions	φ26 mm × 150 mm				φ20 mm × 118 mm		

\*When measuring tidal level fluctuations, we recommend installing one unit in the air for atmospheric pressure correction.

## Drawing

