

Pocket-size pressure logger

DEFI2-DHG

DEFI2-D



Compact, high accuracy, and easy infrared communication.



- Non-opening infrared communication
- Flashing LED light for activation check
- USB connection to PC (via interface unit)
- Powered by commercial AAA batteries
- Data logging (DEFI2-D): 9.6 days at 1 sec int.
573 days at 1 min int.



JFE Advantech Co., Ltd.

Sensor Specifications

Model designation	High accuracy pocket-size pressure logger			Pocket-size pressure logger		
Model	DEFI2-D5HG	DEFI2-D20HG	DEFI2-D50HG	DEFI2-D10	DEFI2-D20	DEFI2-D50
Parameter	Pressure (Depth)					
Principle	Semiconductor					
Range (*equivalent)	0 to 0.5 MPa (0 to 50 m)*	0 to 2 MPa (0 to 200 m)*	0 to 5 MPa (0 to 500 m)*	0 to 1 MPa (0 to 100 m)*	0 to 2 MPa (0 to 200 m)*	0 to 5 MPa (0 to 500 m)*
Resolution (*equivalent)	0.00005 MPa (0.005 m)*	0.0002 MPa (0.02 m)*	0.0005 MPa (0.05 m)*	0.0001 MPa (0.01 m)*	0.0002 MPa (0.02 m)*	0.0005 MPa (0.05 m)*
Accuracy	±0.3% F.S.			±1.0% F.S.		
Response time	0.05 s (90%)					
Depth rating	In accordance with the depth range					

Logger Specifications

Communication	Infrared to Interface Unit
Output / transfer time	RS-232C, 115,200 bps / Approx. 22 minutes (fully recorded)
Memory medium	Internal flash memory (8 MB)
No. of samples	Approx. 820,000 samples at maximum
A/D converter	16 bit
Measuring mode	Continuous
Measuring interval	1 to 59 s, 1 to 60 min

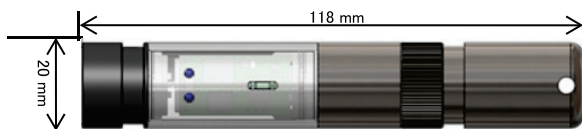
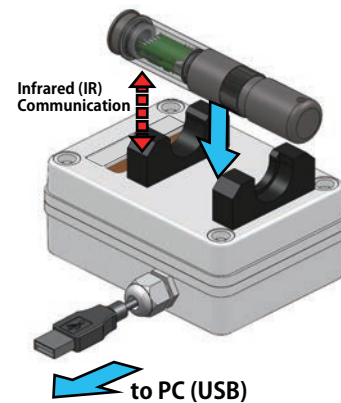
Power / Dimensions

Power source	AAA alkaline battery
Consumption (DHG/D)	Approx. 25 mA / 30 mA (while logging)
Material	Body: Titanium (grade 2) Window: Polycarbonate
Weight (in air / in water)	DEFI2-DHG : 132 g / 72 g (including battery) DEFI2-D : 98 g / 62 g (including battery)
Dimensions	DEFI2-DHG : $\Phi 26 \times 150$ mm DEFI2-D : $\Phi 20 \times 118$ mm

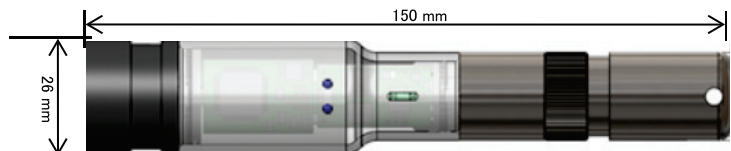
Interface Unit Specifications

Model	DEFI-IF
Communication	USB to PC (Ver.2.0) / Infrared to instrument
Power	USB bus power
Operation temperature	-3 to 45 °C (no condensation)
Material	ABS resin, Acrylic resin
Dimensions	W110 mm × H66 mm × D80 mm (without cable)
Weight	225 g

* Interface Unit is required for communication.



DEFI2-D



DEFI2-DHG

*All specifications on this brochure are subject to change without notice.



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