

SF *tractive force data logger*

2 , 5 , 10 and 35 Tons



SF measures and records tractive forces in a fishing string, buoy moorings or any structure secured by a cable (aquaculture cages...).



> SF 10, installed on a line

SF is shock resistant and waterproof down to 300m.

Down to 50 meters, data can be read underwater thanks to a waterproof **Data Pencil**, without removing the SF.

Fast wireless configuration and data collection thanks to a communication interface (**Inductive Data Pencil**) connected to the USB port of a PC using **Winmemo** software.

- Waterproof
- Easy to use
- Robust and compact

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INSTRUMENTATION

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SF autonomous data logger

Records Force

DESIGNATION	SF2	SF5	SF10	SF35
Order code	60-07-023	60-07-014	60-07-003	60-07-337
MECHANICAL FEATURES				
Range*	2T	5T	10T	35T
Accuracy	10kg	25kg	50kg	175kg
Measuring cell	Temperature compensated strain gauge			
Resolution	0,9kg	2,2kg	4,5kg	16kg
Overload	1.5 x nominal rate without recalibration - 2 x rate range with rupturing			
Housing	Stainless steel			
Max depth	300m			
Weight in air	4kg	4kg	5kg	35kg
Weight in water	3kg	3kg	4kg	31kg
Dimensions (mm)	214 x 85 x 60	214 x 85 x 60	249 x 85 x 60	350 x 198 x 115
ELECTRONIC BOARD FEATURES				
Electronics	Chip technology and quartz clock			
Sampling rate	Programmable from 0,01 second to 99 hours			
Power supply	LITHIUM batteries moulded with circuits - Lifetime >3 years (Storage temperature <30°C)			
Autonomy	99 days at 0.1 sampling rate 30 months at 1s sampling rate			
Memory	600 000 measures - 4Mo RAM with data compression Possibility to record min, max or average data. Measurement rate 1s, maximum resolution, strong signal variation : > 100 hours with continuous measurement (NORMAL mode), > 3 years by measuring the average, the minimum and the maximum every 15mn			
Trigger measurements	Manual, automatic with threshold or on date ... (various on / off modes available).			
Calibration	With two points			
Stop	When memory is full			

* 300kg version available on request

Examples of use of SF:

- Optimization of fishing tows
- Streamers tension monitoring



< SF35



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