



**RUGGED & RELIABLE VW READOUT UNIT  
READS SENSORS IN SUSTAINED & DAMPED MODES  
IDEAL FOR TELEMAC VW SENSORS**

The PFC-12 portable datalogger is designed to accurately read and record data of all TELEMAC vibrating wire sensors in sustained and damped modes.

### Description

The model PFC-12 portable datalogger is designed to accurately read and record data of all TELEMAC vibrating wire sensors in sustained and damped modes. Sensors' temperature can be read by measuring the resistance of the sensors' listening coil.

The PFC-12 is equipped with a keyboard / LCD display, a serial port to connect to a PC, a Jaeger connector cable compatible with the Telemac sensor switch box, and a Jaeger adapter with alligator clips for direct connection to Telemac sensors.

A rechargeable battery supplies the required power for more than a whole working day. The battery charge is displayed on the screen. The PFC-12 is enclosed in an ABS housing, which is shock-proof. The datalogger is also splash-proof once the cover is closed. An integrated speaker allows the user to listen the sensor wire's oscillation.

### Key Features

- Rugged, reliable and accurate
- Reads vibrating wire sensors in sustained mode
- Reads vibrating wire sensors in damped mode
- Reads sensor's temperature on listening coil
- Keyboard and backlit LCD screen
- Integrated battery charger
- Records up to 20 000 readings

### Applications

- The PFC-12 portable datalogger is designed to read and record data of all TELEMAC vibrating wire sensors in sustained and damped modes.

### Specifications

|                                |   |
|--------------------------------|---|
| <b>Measuring range</b>         | 300 to 3000 Hz  |
| <b>Accuracy</b>                | ± 0.1% F.S.   |
| <b>Displayed resolution</b>    | 0.01 Hz   |
| <b>Temperature resolution</b>  | 0.5°C   |
| <b>Excitation</b>              | 96 Volts  |
| <b>User interface</b>          | Keyboard and graphical LCD, 64 x128 pixels with backlight   |
| <b>Communication interface</b> | Serial port (USB adapter included)  |
| <b>Sensor jumper cable</b>     | Jaeger connector cable for Telemac sensor switch box<br>Jaeger adapter with alligator clip for Telemac sensor |
| <b>Power Supply interface</b>  | Universal AC wall plug with Euro/US adapter + adapter cable for car (lighter) and for external battery        |
| <b>Storage temperature</b>     | -30 to 55°C   |
| <b>Operating temperature</b>   | -20 to 50°C   |
| <b>Autonomy</b>                | > 8 hours   |
| <b>Battery</b>                 | 12 V 2.3 A, rechargeable  |
| <b>Dimensions</b>              | 152 x 304 x 355 mm  |
| <b>Weight</b>                  | 5.1 kg  |

### Ordering information:

Datalogger includes:

- Battery charger and cables for external power sources
- Serial cable for connection to a PC
- Jumper cable for connection to the sensors/switch box
- Connector cap
- Communication software
- Nylon carrying bag