

dimensions in mm

Features

- Single-channel data logger for DMS quarter, half and full bridge
- Sample rate 2400 Hz or 4800 Hz
- Amplification for strain gages: 70 – 1280
- Analog filter of 3rd order with a cut-off frequency of 200 Hz (can be increased up to 500 Hz on customer's demand)
- Bridge supply voltage: 3,0 V, short-circuit proof
- Zero balance
- 3,4 V to 15 V DC Power (with integrated acceleration sensor up to 4,2 V)
- Up to three weeks recording at full sample rate (~16 GB)
- Data retrieval via USB 1.1
- Trigger function
- Data type: binary or CSV

Options

- Integrated acceleration sensor (up to 200 g)
- Custom designed housing

Pros

- Easy to use (plug & play)
- Applicable under harsh operating conditions
- Easy to install on places which are difficult of access
- Long duration of recording
- High sample rate

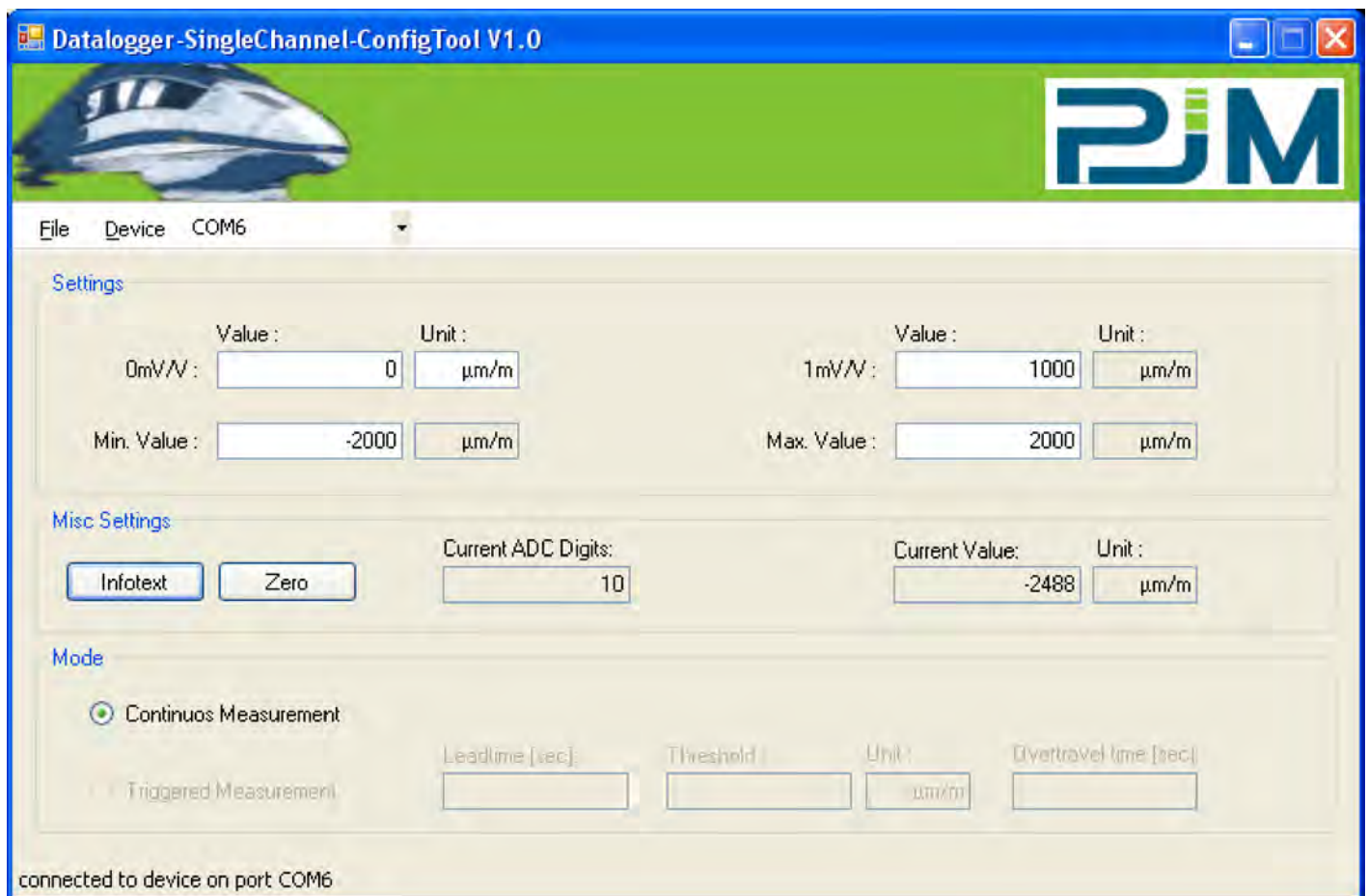
Description

The self-sustaining PJM data logger is designed for single channel long time measurements at hotspots. It is easy to use and ideal for wheel sets, rails and tests of highly stressed components with little available space. It is implemented in a robust, hermetically sealed casing that resists extreme conditions. An additional ground plate allows for very versatile application and mounting in many different ways.

Software

A Windows based software is used for communicating with the datalogger (see screenshot below). The following parameters can be adjusted: sample rate (2400Hz or 4800Hz), zero point, sensor adjustment, measuring range and trigger (including lead time and lag time)

The recorded data can be downloaded via USB 1.1. At customer's request, the memory card can also be dismantled from the unit.



Current Applications

- Autarkic measurements at components over a longer period of time
- Measurements on wheel sets and wheel discs to determine durability
- Measurements on hotspots of highly stressed components
- Measurements on rotating components and parts subjected to voltage (e.g. pantograph)
- Measurements on rails and switches
- Measurements on turbines and pumps
- Measurements in the area of motor sports and automotive engineering

SALES & PRODUCT INFORMATION: Sales Inquiries should be addressed to: info@pjm.co.at