

X SPEED

X SPEED TOOL: free diagnostic and weighing filter configuration software



PC software that allows you to record the signal coming from the load cell in real time and process it by applying specific filters to remove vibrations, disturbance and noise. Indispensable to obtain precise and fast weighs in automated weighing systems.

The best solution
for advanced industrial
applications

FEATURES

- Time and frequency domain signal analysis.
- Data reception at very high speed (up to 2600 readings per second).
- Automatic data acquisition based on time or weight thresholds.
- Real time signal processing.
- Application of filters of your choice, fully configurable, to remove vibrations, oscillations, peaks etc., making the weight stable and the scale reactive and performing.
- Calibration of the instrument, which includes:
 - Calibration using sample weights, with the possibility to linearize the system up to 8 points.
 - Theoretical calibration, with the insertion of the data of the system to be realized (load cells, dead load etc..).
- Archive of weighs and configured filters.

FILTERS

- Coarse filter for the removal of signal background noise and weight stabilization.
- Fine filter to increase the reading accuracy.
- Selective filter to isolate and eliminate noise with precise frequencies.

MINIMUM REQUIREMENTS

- Operating System: Windows 10
- Processor: 1.6 Ghz
- Ram: 4 Gb
- Free hard disk space: 250 Mb

SUPPORTED PRODUCTS

- DGT4X Series

XSPEED TOOL

- Free download from the Download section.

DETAIL 1

The screenshot shows the 'Scale' configuration page in the XSpeed Tool software. At the top, a digital scale display shows 0.0 g. Below the display, the maximum capacity is set to 2000.0 g and the resolution is 0.1 g. The interface is divided into three main sections: Scale settings, Adjustment, and Theoretical adjustment. The Scale settings section includes a unit dropdown set to 'g', a 'Max' value of 2000.0, and a 'Resolution' of 0.1. The Adjustment section features a 'Start calibration' button and two 'Capture' buttons with associated voltage and ADC values. The Theoretical adjustment section includes input fields for 'Load cells capacity' (1000.0), 'Load cells output' (20000), 'Input dead load' (50), and 'Capture dead load' (Zero). A 'Set mode' button is also present. At the bottom, 'Send' and 'Receive' buttons are visible. On the left sidebar, the device information is listed: Device: D16951F8, Serial No.: 429467296, Release: 01.14.00.

DETAIL 2

The screenshot shows the 'Settings' configuration page in the XSpeed Tool software. The top section displays the same scale information as Detail 1. The main area is divided into 'Language' and 'Communication settings' sections. The Language section has radio buttons for Chinese, German, English (selected), Spanish, French, and Italian. The Communication settings section includes a 'Port' dropdown set to 'COM6' and a 'B' dropdown set to 'None'. Below these is an 'About XSpeedTool' section with the following information: Software release: 1.07.01, License No.: 1, Release date: 05/05/2021, Expiry date: 05/05/2021, and Author: Del Agno S.r.l. A 'Ok' button is located at the bottom right. The left sidebar shows the same device information as in Detail 1.



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