



Pimento Solutions

P-4230 Matlab Interface

The Pimento Matlab interface allows interfacing of Pimento with Matlab (as an external program) for user specific operations.

With the "Matlab interface" add-in, you are able to share the results of the measured data with Matlab® software package. Matlab® is a technical computing environment that combines numeric computation, graphics and visualization, and a high-level programming language for scientific and engineering applications. It has an open architecture that makes it easy to explore Pimento data and create custom tools which enables you to solve complex numerical problems. By using the Pimento Matlab interface, you are able to create very specific (non-general) purpose processing tools. Pimento Matlab interface is a mechanism to transport data from Pimento application domains to Matlab® environment and visa versa. The interface is realized by means of an intermediate '*m-file format*', i.e. an *ASCII file* with a fixed format, according to a Matlab-specified syntax. The use of m-files as a transmission medium is broad and allows for instance the storage of several data types or several modal vectors with their annotation into one m-file. Matlab® functions that facilitate the export of data from Matlab® to the formatted .m file are delivered as part of the interface.

Key Features

- Share Pimento results with Matlab®
- Create very specific processing tools

Product Requirement

- Pimento Front-end Driver (P-4400 / P-4410) and
- Pimento FFT analyzer (P-4000) or
- Pimento Octave analyzer (P-4040) or
- Pimento Order analyzer (P-4060) or
- Pimento Recorder (P-44070) and
- Pimento Matlab Interface (P-4230)

Recommended options

- Pimento Advance Filter Design (P-4200)
- Pimento Real-time Virtual Channels (P-4210)
- Pimento Formula Plug-in (P-4220)
- Pimento Command Library (P-4240)
- Pimento Data & Graphics Plug-in for MS office (P-4250)