

The proposed acousto-optical frequency meter contains a laser, a collimator, an acousto-optical modulator, a lens, and a photodetector that are connected in series, and additionally, a signal preprocessing unit and a measuring unit with a measurement data processor. The input of the signal preprocessing unit is connected to the output of the photodetector, and the output is connected to the input of the measuring unit. The measurement data processor is coupled with a personal computer.