Agilent DA Express:
Data Analysis Software for 7820A GC

Data Sheet

Agilent DA Express data analysis software is designed to be used exclusively with the 7820A GC. It is integrated into the 7820A software keypad ("Remote Control Panel" (AGRCP)) instrument control panel. DA Express is designed to simplify data analysis. It provides data analysis using five simplified screens that focus on only those items required to get answers from gas chromatography.

The user will utilize the 7820A GC software keypad to create and save GC methods to the 7820A GC. The 7820A GC can store up to 9 methods. The DA Express software provides the ability to acquire data from up to two channels, integrate that data, build simple calibration curves and quantify results before reporting the data in simple reporting templates. Data and data analysis methods are saved to the computer.

For Sale and Supported in the Following Countries:

China, Hong Kong and Taiwan, Russia, and certain other countries. Please contact Agilent for the current listing of these other countries.

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Five Screens Simplify Data Analysis

In on-line data acquisition, screens are included that provide for input of experimental information, data acquisition, integration, calibration and reporting. An offline option is also provided.

Experiment Information: Provides fields to enter sample name and basic information (amount, multiplier and dilution) project name, operator, Company and comments. Additionally, configuration information can be read from the GC system and the user can select which signals to save and the associated data rates.

Data Acq (Acquisition): provides an adjustable real time plot for either or both channels along with real-time peak integration (using default parameters).

Integration Settings: provides a basic set of integration events built primarily on control of peak width and slope sensitivity along with area and height reject settings. Initial settings for tangent skim, baseline correction and shoulders are also provided.
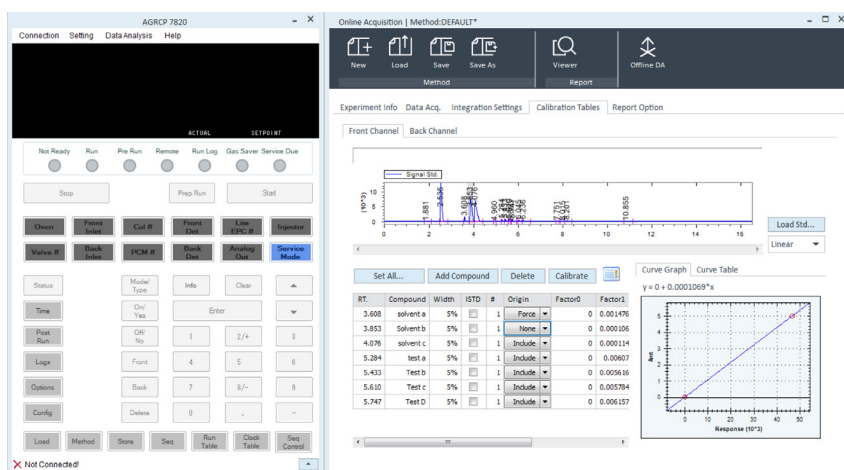
Calibration Tables: guides users in setting up single-level calibrations with the ability to select linear, quadratic or cubic fits as well as control over how the origin is handled.

Report Option: Allows the user to base the calibration on either area or height. Six different calculation modes are provided (percent, ESTD, ISTD, Norm%, ESTD%, ISTD% – normalized for each channel only), along with basic settings (include graphs, basic annotations, show baselines, etc.) and scaling features. Reports can include instrument information as well as integration parameters and calibration information.

Offline DA: The above five screens work with data from a connected Agilent 7820. Activating "Offline DA" allows the user to access "Chromatogram", "Sample Info", "Integration Settings", "Calibration Tables" and "Report Option" with data that has been previously acquired.

Software keypad and Acquisition Screen (connected to 7820)

Software keypad and Calibration Screen (not connected)

System Requirements:

DA Express works exclusively with Agilent 7820A GC systems. One DA Express license will allow two 7820 GCs to be added to one computer.

DA Express requires a modern PC with:

- **Chinese, English:** Windows
  32-bit Win XP SP3
  64-bit Win 7 SP1 (Professional Version)
  64-bit Win 10 (Professional Version)

- **Russian:** Windows
  64-bit Win 7 SP1 (Professional Version)
  64-bit Win 10 (Professional Version)

- 1 GB memory and 1 GB available disk space are required

Minimum 7820A Firmware version required is A.01.18.

Compliance: DA Express is not intended for compliant workflows. We recommend our OpenLAB CDS products in cases where compliance is necessary.

Supported Languages:

Software Keypad:
English, Simplified-Chinese

Five Data Analysis Screens:
English, Simplified-Chinese, Russian

www.agilent.com.cn/chem/7820a-gc

This information is subject to change without notice.

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