

**JASCO SOFTWARE**

This memo is to update the status of the various software available for J-800 and J-715¹ series operating under Spectra Manager™. Software packages are continuously updated, this is therefore only the today status, (personal) comments and rating are added for your convenience.

Rating:

- so & so
- fair
- good
- very good

Standard software:

JWS-483

Spectra Manager Version 1.53D ••• the platform has been continuously refined, analysis of kinetics data still too simple

J-800 Driver Version 1.13B ••• driver has been improved, still missing some facilities as possibility such as to measure a spectrum with previous one on the screen for immediate comparison

J-715 Driver Version 1.04A •• becoming better, but still not as good as the J-810 one

Optional software:

JWSSE-480 Ver 1.00A secondary structure estimation

- This is a rather old package “translated” for 32bit Windows O.S.

It's a simple program, easy to use, but very limited and not competitive with what you can get free of charge from the web. Reference spectra supplied are from Yang², user created files are accepted too.

Not to get, unless it's free of charge

JWORDE-481 V 1.00A ORD-E data correction

- This program is supplied as standard when ORD-E is purchased (electronic type: not optical-null). It's used to perform absolute scale calibration using sucrose standard.

JWJTC-484 temperature control program

- It consists in program itself to analyze melting curves and spectra collected during melting experiments (latest Ver 1.13A) and a driver for Peltier or cooling baths (latest Ver 1.00D). Supplied as standard with any Jasco Peltier hardware or optionally to control Neslab and Julabo baths. Well improved versus previous versions.

JWMTWC-487 multiwavelength variable temperature measurement Ver 1.10A

- An interesting package if you want to monitor a melting curve at more than one wavelength, but without the time wasting to collect many spectra, particularly important if simultaneous fluorescence is built in.

JWTDA-488 denaturated protein analysis Ver 1.00B

- An easy tool to calculate thermodynamic parameters (T_m , ΔH , ΔS) from a stored melting curve³.

JWCVF-485 curvefitting analysis program Ver 1.10A

- A nice software allowing to fit experimental spectra with various Lorentzian or Gaussian bands⁴.

¹ J-710 and J-720 can be operated under Spectra Manager™ only after hardware updating

² *Methods in Enzymology*, 130, 1986, 208

³ *Tibtech*, Vol 8, 1990, 93

⁴ *Japanese Journal of Spectroscopy (Bunko Kenkyu)*, 35, 1986, 142

JWMCR-482 macro command program Ver. 1.04A

- An application package to create custom macros to automate various measurement and analysis procedures, able also to control several accessories.

JWATS-489 automatic titration system Ver 1.03A

? Supplied as standard with the Jasco titrator, no experience with

JWVAL-486 system validation program Ver 1.00A

- Necessary if you need to create an official document, but hardly testing the real performance of the system

All these packages are available from your local Jasco office, which you should contact to receive more information.