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NOVA

DPM 9000 Series

Skin Hydration Instrumentation and Software

Software Descriptions

NOVA

Introducing the Innovative XPRT™ and XPRT™ Part 11 Software

Visual Analysis Made Easy!

The new XPRT™ software for Windows 98/2000/XP enables you to collect data with the DPM 9003 more efficiently than ever. A user-friendly interface combined with real-time data collection makes it easy to compile databases of information about products. Collected data can be used to create charts and graphs making information easily presentable.

By graphing and recording readings through continuous measurement, XPRT™ provides more information than a static reading, displaying the rate of change of skin hydration along with the change. This method of testing is more sensitive as it can detect differences in a product's performance that do not show up in the static method of testing.

XPRT™ utilizes two graphs to display DPM measurement and the rate of change in real-time data collection. The Analysis section presents sampling information as it is collected.

The DPM unit and slope graphs display multiple samples with an option to use various colors to differentiate among the samples taken. The resulting visual analysis is clearer and easier to read for comparison. Graphic options such as graph scales, logging rate, or sampling time may be adjusted anytime before or after a sample session is conducted.

Data Management

XPRT™ eliminates the time and potential error involved in manual data collection by immediately recording results taken directly from the DPM 9003 instrument. A status bar shows prompts when the DPM 9003 is ready to use, as it samples, and whenever sampling is finished. An analysis section on the main window displays the final readings of a sample. These readings include DPM units, rise time, slope, and peak slope. Data are automatically saved in a log file, which is converted into an Excel spreadsheet with appropriately labeled columns.

Benefits and Applications

When using XPRT™, researchers can collect data in less time than other methods currently in use. Low sampling times reduce clinical costs and are important tools for researchers in various end-use applications such as personal care, wound healing, pharmaceuticals, neonatology, and geriatric research.

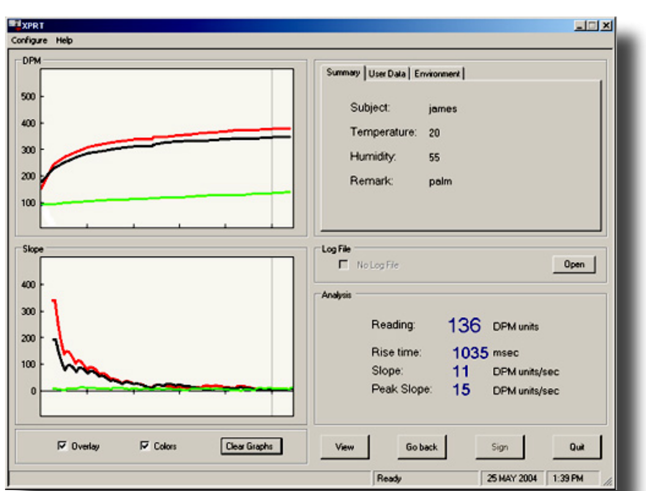
XPRT Part 11 Software Option

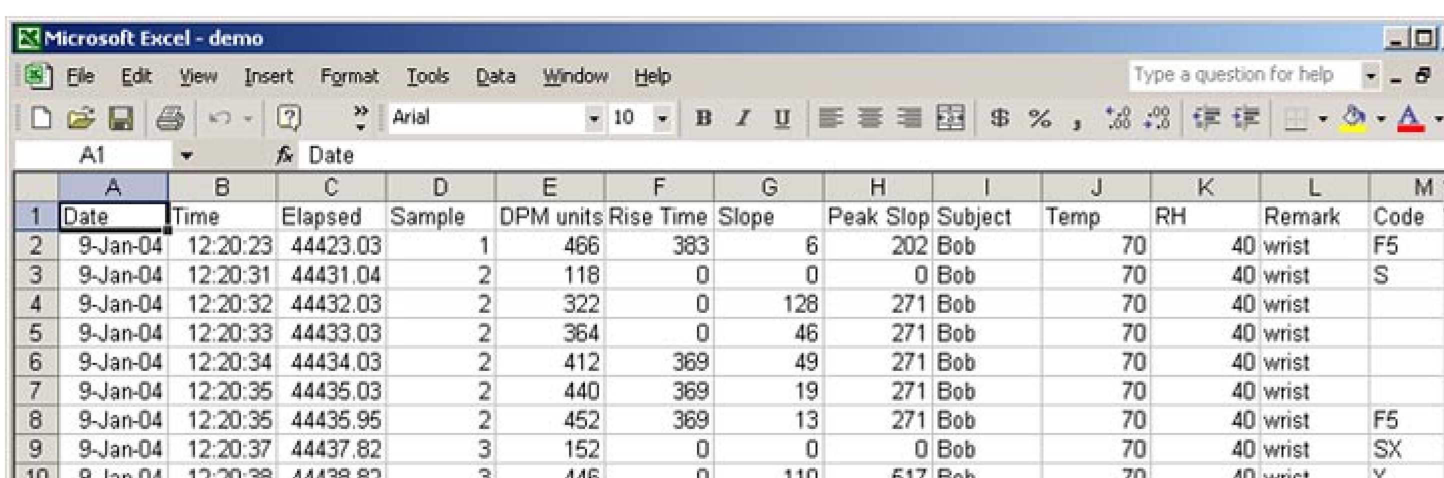
NOVA Technology Corporation has created the XPRT™ Part 11 software (patent pending) to help users comply with the requirements of 21 CFR Part 11 when the software is used in conjunction with properly implemented administrative, procedural, and technical controls. Under Part 11, electronic records may be equivalent to paper records and electronic signatures equivalent to traditional handwritten signatures. 21 CFR Part 11 requires that all submitted data be authenticated to ensure that the data collected has not, in any way, been altered.

The XPRT™ Part 11 software applies an unalterable digital signature to all created data files and ensures that your collected data are compliant with the Part 11 requirements.
The digital signature will appear on an Excel data file. It contains a user name, a time stamp, and the digital signature itself. If the data file becomes corrupted in any way, the signature will be removed and the user will not be able to sign the data file again. This feature identifies files that have been corrupted or altered.

This digital signature is applied by the software, not by the user, and it is used to determine whether the data file has been altered or corrupted in any way. Data sets are easily checked by running a simple utility within the software program. Whenever an errant data reading is taken it should be noted in a comments field, not deleted. Data analysis may then be instructed to ignore the errant data point.

For more information about XPRT™ Part 11 software and its compliance with CFR Part 11 please contact our office.





	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Date	Time	Elapsed	Sample	DPM units	Rise Time	Slope	Peak Slop	Subject	Temp	RH	Remark	Code
2	9-Jan-04	12:20:23	44423.03	1	466	383	6	202	Bob	70	40	wrist	F5
3	9-Jan-04	12:20:31	44431.04	2	118	0	0	0	Bob	70	40	wrist	S
4	9-Jan-04	12:20:32	44432.03	2	322	0	128	271	Bob	70	40	wrist	
5	9-Jan-04	12:20:33	44433.03	2	364	0	46	271	Bob	70	40	wrist	
6	9-Jan-04	12:20:34	44434.03	2	412	369	49	271	Bob	70	40	wrist	
7	9-Jan-04	12:20:35	44435.03	2	440	369	19	271	Bob	70	40	wrist	
8	9-Jan-04	12:20:35	44435.95	2	452	369	13	271	Bob	70	40	wrist	F5
9	9-Jan-04	12:20:37	44437.82	3	152	0	0	0	Bob	70	40	wrist	SX
10	9-Jan-04	12:20:38	44438.82	3	446	0	110	517	Bob	70	40	wrist	X