

Data Collector for ARM 7 or Newer Enhanced GDMdef Rating Shell for Psion Workabout Pro Color

by Gylling Data Management, Inc.

The Solution for Your Research Data Needs

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Psion Workabout Pro Data Collection Package for ARM 7 or newer

Since 2001 ARM software includes **ARM Push and Pull** features for using a small handheld organizer to enter assessment data into a Microsoft Excel compatible spreadsheet. Now ARM 7 is expanded to support data collection with an **Enhanced GDMdef Rating Shell** which is offered on the **Psion Workabout Pro Color Windows Mobile 6 Generation 2** model.

GDM offers an **Enhanced GDMdef Rating Shell** for the Psion Workabout Pro C with Windows Mobile 6 operating system. This package replaces the previous data collection package of DatCol on the Psion Workabout MX.

Enhanced GDMdef Rating Shell is the data collector GDM offers with Workabout Pro packages, supported through ARM Push and Pull. Features are:

- Sheets (tabs) to enter essentially all information in G-All7 site description, including: crop planting, crop and pest stage at application, weather, soil information, location and site details, application comments, and deviations.
- Full support of subsample data entry, with a border line showing the last subsample for each plot.
- Automatic calculation of treatment means and standard deviation.
- Designed to support standard G-All7 and G-Seed7 study definitions.

	B	C	D
12	# Subsample	10	
13	Pest Code	SEPTTR	
14	Rating Type	PESSEV	
15	Rating Unit	%	
17	101		
18	102		
19	103		
20	104		
21	105		
22	205		
23	204		

Modify Sheets

Sheets:

- Plot Data
- Means
- Subsamples
- Subsample Means
- Header
- General Trial
- Cooperator
- Crop
- Site Design
- Maintenance
- Soil
- Moisture
- Applications
- Crop Stage
- Pest Stage

Buttons: Rename..., Insert..., Delete, Move Up, Move Down

	B	C	D
1	Weather		
2	Date		
3	Time		
4	Moisture		
5	Amount		
6	Unit		
7	Type		
8	Interval		
9	Interval Unit		
10	Temperature		
11	Minimum		
12	Maximum		

The relatively large **Workabout Pro** screen works well with rating shells, and offers a very powerful method to collect nearly all trial information directly on the handheld. Psion Workabout Pro Color is compatible with all Microsoft Windows operating systems including Vista.

Please note that Enhanced Rating Shell resides on Workabout Pro hardware, and is only available on Workabout Pro data collection packages purchased directly from a GDM Representative. Please contact GDM or your GDM Representative if you wish to purchase a Psion Workabout Pro.

G2 Psion Workabout Pro Color Items Included:

- High capacity rechargeable lithium battery
- Hand strap
- Desktop docking station (recharger + USB connection to PC)
- SD card for backup storage
- Screen protector for color display
- Enhanced GDMdef Rating Shell (requires ARM 7.4 or newer)
- Psion hardware user guide
- Enhanced GDMdef Rating Shell user guide

Optional Hardware:

Option: Traveling option for computers without Bluetooth to transfer data:

- Workabout Pro Cable Tether to USB B with Power Supply (cable to connect Psion to PC includes AC adapter)

Option: Charge battery when traveling:

- Automotive power supply charger (car cigarette battery charger)

Pricing: Contact GDM or your GDM Representative

Required Software: ARM 7.4 or newer is required to support Enhanced GDMdef Rating Shell. Enhanced GDMdef Rating Shell works best with trials created from G-All7 and G-Seed7 study definitions.

Hardware Features of Psion Workabout Pro

Following information is from www.pSIONteklogix.com website.

Operating System: Mobile 6 Classic (G2)

Data stored: 256 MB SD card

Processor: 520 MHz PXA270

Memory: 128 MB RAM

Approximate Physical Dimensions:

Weight without battery: 1lb (455 g)

Length: 8.8" (222 mm)

Width: 3" (75 mm) at grip area tapering to 3.9" (100 mm) at display area

Depth: 1.2" (31mm) at grip area tapering to 1.7" (42 mm) at display area.

Power Management: high capacity rechargeable lithium battery, recharged by desktop docking station (recharger + USB connection to PC)

Environmental Standard:

Operating temperature: 14° F to 122° F (-10° C to +50° C)

Rain/Dust: Heavy rain and dust proof

Shock: Multiple drops to polished concrete

User Interface:

Color Touch Screen VGA Display:

Adjustable backlight

Sunlight readable (for outdoor use)

High reliability LED backlight

Touch screen uses stylus held on main unit.

Keyboard: Alphanumeric, high durability hard-capped keys

Warranty: 1 year

Availability: Availability estimate from our Psion dealer is 4-6 weeks after ordering.

Frequently Asked Questions



Printer: Printer is not available, because Windows CE operating systems such as Windows Mobile 6 do not directly support printing. (This is not an ARM or Rating Shell issue.) Use the included SD

card for backup storage of completed rating shells. Print results after transferring data to ARM.

Microsoft Vista Compatibility: Please note that the monochrome Psion Workabout Pro version cannot connect to a PC running Windows Vista. Vista supports only handhelds with Windows Mobile 2003 or newer.

Psion Workabout MX DatCol:

DatCol for the Workabout MX cannot directly run on the Workabout Pro. (Basically, it is like DOS vs. Windows software.) Psion offers an emulator to run adapted Workabout software on a Workabout Pro, and unfortunately this emulator does not work reliably with DatCol. There were enough stability and interface issues that GDM will not offer a DatCol version for the Workabout Pro. GDM will continue to sell DatCol for the Psion Workabout MX unit.