

DAP PC9800

Handheld Terminal for Manual or Automatic Radio Meter Reading

Key Features

- ▶ Radio Reading
- ▶ Robustness
- ▶ Ergonomic
- ▶ Performance



Radio Reading

Specifically adapted for reading meters, the DAP PC9800 is a real "on-field" handheld terminal.

It paves the way to performing manual or automatic radio reading of your meter data, including its analysis and control. Hence permanently and efficiently assisting readers in their everyday tasks.

Robustness

The DAP PC9800 is famous for its very rugged case, particularly suited for harsh outdoor environments. It withstands:

- Dust
- Rain
- Water splash
- Temporary water immersion
- Shocks
- Extreme weather temperatures
- Fast-changing temperature conditions
- Vibrations
- 2 m drops on to concrete

Ergonomic

The ergonomic design of the DAP PC9800 case was developed to provide field readers with maximum comfort.

The DAP PC9800 offers:

- A radio interface completely integrated on top of the handheld for radio readings
- A large backlight display (12 lines of 25 characters)
- An alphanumeric keypad
- Tactile and audible feedback keys

- Adjustable handstrap for right-handed or left-handed users
- Even weight distribution to prevent imbalance

Performance

The DAP PC9800 includes a large memory (4MB) allowing route storage of 2400 to 7500 meters depending on the reading technology used (radio or manual reading).

The DAP PC9800 high communication speed (up to 115.200 bauds) significantly decreases route upload / download times. 'Intelligent' fast-charge modes (maximum 4.5 hours) allow the optimization of the battery level management:

- Office charging using a cradle
- Home charging using a basic 230 VAC charger

Integrated charge status and low-battery indicators are always available on the DAP PC9800.

Route Software

Actaris offers a route software running on the DAP PC9800 and fully dedicated to manual or automatic radio reading of your meters: EasyRoute.

Other software tools are also provided with EasyRoute:

- For uploading / downloading routes from / to your computer
- For programming radio meter interface units using the DAP PC9800

Environmental Conditions

- Operating temperature range: -30°C to +50°C
- Storage temperature range: -40°C to +60°C
- Shock resistant (MIL-STD-810E, CEI 98-2-32)
- Electrostatic discharge resistant (CEI-810-2)
- IP 67

Meets all Specifications for:

- CE certification
- FCC, class A
- ISO 9001

Accessories

- Communication and charger cable kit
- Shoulder strap

Optional:

- Communication and charger cradle
- Spare battery pack
- Home 230 VAC charger

Technical Characteristics

Microcontroller / Operating System

- 386 / 25 MHz / DOS version 6.22

Memory

- 512 KB ROM for BIOS, DOS, communication and installation management
- 4 MB SRAM

Display

- Temperature compensated LCD, dot-matrix, 200x200 pixels
- 12 lines of 25 characters
- Backlight
- Size: 70x70 mm

Keyboard

- 51 multi-function keys, including direct access cursor, functions and ESC keys
- Separate alphabetic and numeric keypads
- Toned and tactile keyboard (programmable)

Power Supply

- ON/OFF switch, manual and automatic turn off with saving of the application status
- Rechargeable lithium-ion battery pack
- Power gauge and low-battery indicator
- Separate back-up battery

Communication

- 1 external RS232 serial port (LEMO connector), communication speed up to 38.400 bauds
- 1 internal RS232 serial port for connection to the integrated radio interface

- 1 IrDA port, communication speed up to 115.200 bauds
- Communication to PC can be done through the external RS232 serial port or the IrDA port (using cradle)

Optional Radio (for more details see specific leaflet)

- Integrated radio interface with aerial on top of the handheld terminal
- External radio interface connected to any serial com port with 5VDC power supply
- Frequency modulation (FSK) 433.52 MHz, Erp < 10mW
- MFD communication protocole (defined by RADIAN user group)
- Two-way
- **CE0536** certified in accordance with the European R&TTE directive (1999/5/EC)

Size and Weight (without radio interface)

- Height: 39 mm min. / 60 mm max
- Width: 90 mm min. / 104 mm max
- Length: 248 mm
- Weight: 840 g with battery

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