

amphibian2™

*the ultimate compact rugged handheld
for water quality monitoring*

Performance

- » Easy-to-use Manta2 Control Software
- » Microsoft® Windows Embedded Handheld 6.5.3
- » Speedy 1.0GHz processor
- » Microsoft Office Mobile 2010
- » Loads of memory – 512MB RAM & 8GB flash storage

eureka water probes

Illumview™ High-Visibility Display

- » Extra-large display for easy viewing
- » Unparalleled brightness overpowers glaring sunlight
- » Extremely scratch-resistant
- » Capacitive touchscreen provides needle-sharp image and durability
- » Hold-to-zoom™ gives you absolute precision

It's Got It All!

- » GPS capabilities
- » Bluetooth®, WiFi®, cell modem, serial, & USB connectivity
- » 5MP camera + video capture

Powerful Overtime Technology™ Battery

- » Powers all Manta2 configurations – without auxiliary battery (with any underwater cable length)
- » Intelligent Li-Ion battery – 10600mAh 3.7V
- » Outstanding battery life runs long into overtime (12V Output) on COM1
- » Operates in extreme temperatures from -22°F to 140°F (-30°C to 60°C)



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amphibian2™ MODELS

- » MEAS
 - Wi-Fi* and Bluetooth* wireless technology
- » MEAG
 - Wi-Fi* and Bluetooth* wireless technology, GPS, 5MP Camera
- » MEAGC
 - Wi-Fi* and Bluetooth* wireless technology, GPS, 5MP Camera, 3.75G GSM modem

PHYSICAL

- » Standard models: 3.6"W x 7.25"L x 1.5"D (91mm x 184mm x 38mm)
- » Weight: 1.3 lbs (590 g), with battery
- » Durable hardened plastic in a shear-proof and shock-resistant design
- » Strong chemical resistance
- » Comfortable, wide hand strap
- » Easy-to-grip, impact-absorbing bumpers

PROCESSOR

- » 1.0 GHz ARM Cortex A8 i.MX53 processor

OPERATING SYSTEM AND SOFTWARE

- » Microsoft® Windows Embedded Handheld 6.5.3
- » Microsoft Office Mobile 2010* (Word Mobile, Excel Mobile, PowerPoint Mobile, Outlook Mobile)
- » Multiple languages (English, French, Spanish, German, Portuguese)

PORTS

- » COM1, RS-232C 9-pin D connector with 12VDC power output on pin 9 software-enabled
- » USB (Micro B)
- » 12, 24VDC input, 10-36V unregulated

WIRELESS CONNECTIVITY OPTIONS

- » Bluetooth® wireless technology, 2.1 +EDR, Class 1.5 range greater than 1000 feet (30m)
- » Wi-Fi® 802.11b/g/n with extended range
- » Frequencies: HSPA+/UMTS: 800/850/900/1800/199/2100MHz (Supports micro-SIM card only)
- » Data communication interface, SMS
- » 3.75 modem - Pentaband Worldwide (MEAGC model only)

DISPLAY

- » Active viewing area: 4.3" (109 mm) WVGA LCD TFT (800x480)
- » High visibility backlit LCD
- » Portrait or landscape orientation

TOUCHSCREEN

- » Protected capacitive touch interface "optically bonded" to display for increased visibility
- » Chemically-strengthened glass
- » Scratch-resistant screen

CAMERA (MEAG/MEAGC MODEL)

- » 5MP resolution with autofocus and LED illuminator + video capture
- » Juniper Geotagging™: embed and emboss photo with date, time, and GPS position

GPS (MEAG/MEAGC MODEL)

- » High-sensitivity GPS/GLONASS/SBAS receiver
- » User settings for enhanced performance under canopy
- » Accuracy
 - Horizontal Autonomous Mode 2.5 meters
 - Differential Mode 1 meter
- » BINR protocol for post-processing
- » 32 channel all-in-view tracking

MEMORY AND DATA STORAGE

- » 512MB RAM
- » 8GB flash storage
- » User-accessible micro SD/SDHC slot

KEYBOARD

- » Adjustable LED backlit keys
- » Numeric keypad (6 user-reassignable)

BATTERY

- » Intelligent Li-Ion battery 3.7VDC @ 10600mAh, 38.16Whr
- » Operates for up to 20 hours on one charge
- » Charges in 2 to 4 hours
- » Battery easily changeable in field
- » Optimized for excellent performance in cold temperatures

CERTIFICATIONS AND STANDARDS

- » FCC Class B
- » CE Marking (applicable EMC, R&TTE, and LVD directives)
- » Industry Canada
- » EN60950 Safety

STANDARD ACCESSORIES

- » 10600mAh battery
- » AC wall charger with international plug kit
- » Micro USB client sync cable
- » Quick Start Guide
- » Ultra-wide hand strap
- » Shipping box
- » Screwdriver
- » Stylus with tether
- » 2-year warranty

