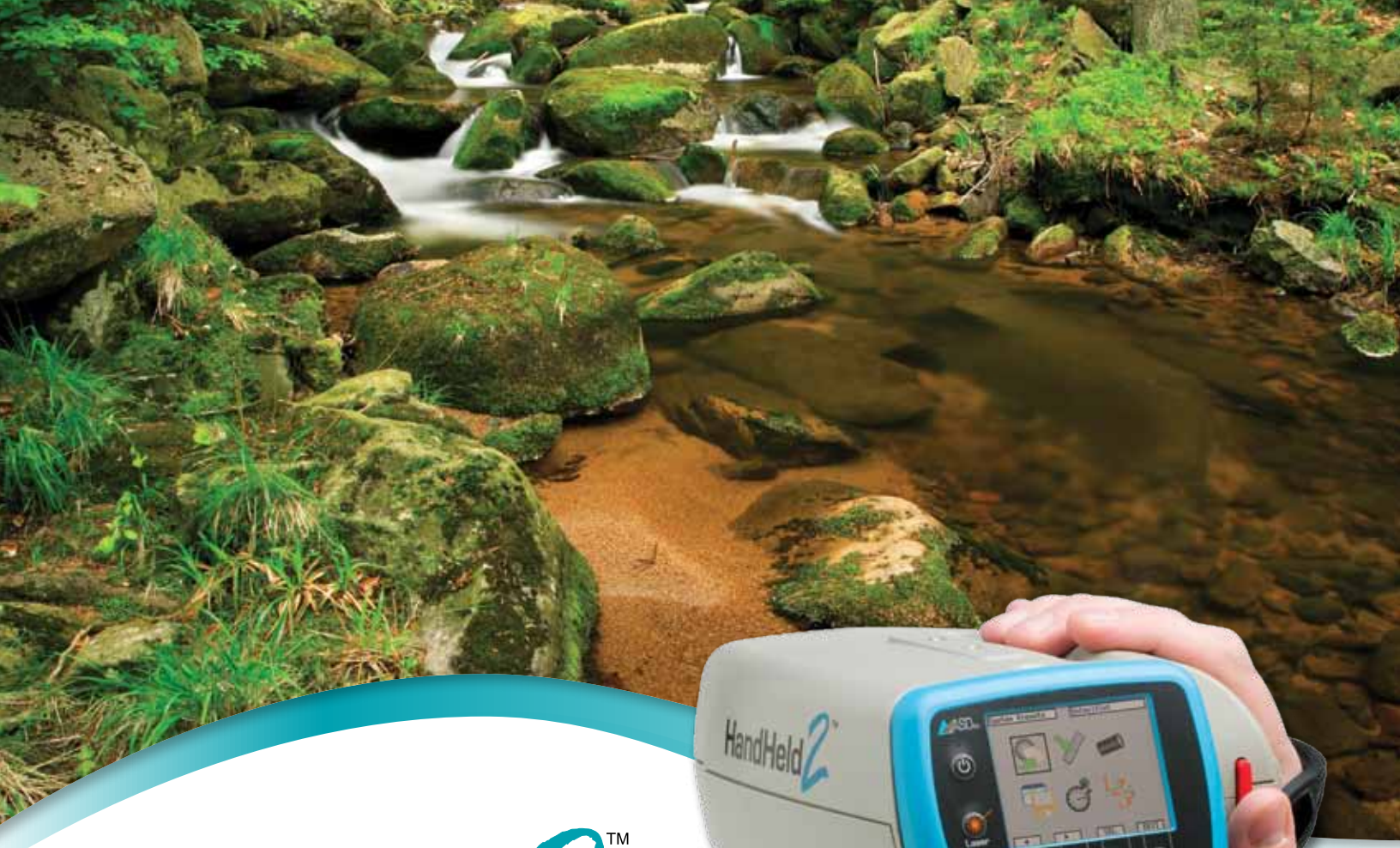

HandHeld 2™

Portable, Durable, and Accurate, the ASD HandHeld 2™ Offers the Premier Solution for Spectral Measurements

Do you need precise spectroradiometric measurements in a truly portable package? Does your on-location analysis require laboratory-quality results delivered in real time? ASD, the global leader in remote sensing spectroscopy, offers your solution in the new HandHeld 2, the latest in the FieldSpec® line of premier spectroradiometers for agriculture, forestry, mining, and oceanography. Using ASD's cutting-edge VNIR spectroscopy to instantly and nondestructively measure samples, the HandHeld 2 revolutionizes onsite measurement by providing extremely accurate, quickly derived reflectance, radiance, and irradiance spectra in a variety of settings.

Available in a standard and pro model, the HandHeld 2 provides the ideal combination of performance, portability and durability at an affordable price. The spectroradiometer employs a high sensitivity detector array, low stray light grating, built-in shutter, DriftLock™ dark current compensation, and second-order filtering to produce high signal-to-noise spectra in under a second.

ASD Inc.

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And there's no need to tether to a computer; the device can run independently with an imbedded version of RS³™ remote sensing software and display results on an integrated, high-visibility color screen. When tethered to a computer, the HandHeld 2 runs the full range of RS³ features.

The HandHeld 2 has an ergonomic design and two-position "D" handle that allows either right or left-hand use with equal convenience. The rugged device weighs 11.3 kg and measures 215 x 140 x 90 mm.

HandHeld 2 System Benefits

- Integrated ¼ VGA color screen allows mobile use with or without tethering to a computer
- RS³ advanced remote sensing software produces trouble-free data acquisition and storage
- DriftLock dark current compensation ensures excellent accuracy
- Durable, high-impact plastic housing protects the unit from damage
- Remote trigger input affords more flexible operation
- Wavelength accuracy of ±1 nm translates to precise results
- Built-in laser pointer improves targeting accuracy
- Rechargeable AA batteries provide four hours of run time (charger included)

The HandHeld 2 Standard delivers a wavelength range of 325–1075 nm with a resolution of <3.5 nm at 700 nm. The Pro model uses a high-sensitivity 512-element photo-diode array spectroradiometer for faster scan times and 3X sensitivity at a wavelength range of 325–1075 with <3.5 nm at 700 nm resolution. Both versions deliver extremely fast scan times, helping you expedite fieldwork quicker and reduce errors associated with changing environmental conditions.

ASD instruments are cited in more scientific papers and peer-reviewed journals than any other VNIR and NIR instruments on the market. When time, accuracy, and reliability matter, make sure you're using spectroscopy solutions from ASD.

HandHeld 2 Specifications

Performance

- Wavelength range: 325–1075 nm
- Resolution: <3.5 nm @ 700 nm
- Wavelength accuracy: ±1 nm
- Run time: Approximately 4 hours

Environmental Considerations

- Temp range: 0°–40° C

Weight

- HandHeld 2: 2.3 lbs (1.04 kg)
- HandHeld 2 with "D" Handle: 2.7 lbs (1.22 kg)
- HandHeld 2 with batteries and "D" Handle: 2.9 lbs (1.3 kg)
- "D" Handle: 0.4 lbs (.18 kg)
- Scope: 0.5 lbs (.22 kg)

Dimensions

- (HxWxD) 8.5" x 5.5" x 3.5" (215 mm x 140 mm x 90 mm)

Electrical

- Powered by four AA rechargeable batteries or a 5-volt wall brick
- Connections: Two Type A USB ports, one Type Mini B USB port (tethered mode), and a remote trigger input
- ¼ VGA color display with 240x320 pixels, 262,144 colors, and a TFT active matrix
- The unit is controlled by four contact-sensitive buttons, plus power and laser control buttons

Increase your field measurement accuracy and improve your overall process with the HandHeld 2. Contact your ASD sales representative or visit asdi.com today to learn more.