

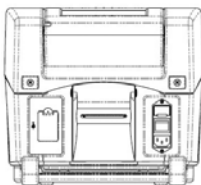
Achilles EXP II

Product data sheet

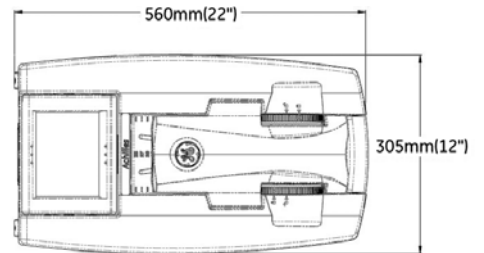
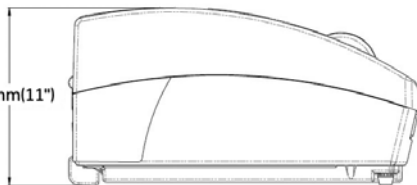
Leading hospitals, clinics and physicians trust the GE Healthcare Achilles to help provide better care to more patients.



Dimensions:



281mm(11")



Achilles EXPI specifications (nominal)



Applications and features:

Optional accessories:

- Travel cart
- Hard and soft travel case

Consumables:

- Thermal paper
- Membranes
- Steam distilled water

Clinical workflows:

- Prevalence
- Clinical risk factors
- Patient data

On-board patient dB:

- 2000 patients

Reference populations:

	AF	AM	PF	PM
Japanese	X	X	X	X
German	X	X		
European	X			
French	X			
Latin American	X	X		
Mercosurian	X	X		
Italian	X	X		
Middle East	X			
Chinese	X	X		
Greek	X			
Saudi Arabian	X			
USA	X			

AF-adult female, AM-adult male,
PF-pediatric female, PM-pediatric male

About GE Healthcare:

GE Healthcare provides transformational medical technologies and services that are shaping a new age of patient care. Our broad expertise in medical imaging and information technologies, medical diagnostics, patient monitoring systems, drug discovery, biopharmaceutical manufacturing technologies, performance improvement and performance solutions services help our customers to deliver better care to more people around the world at a lower cost. In addition, we partner with healthcare leaders, striving to leverage the global policy change necessary to implement a successful shift to sustainable healthcare systems.

Our "healthymagination" vision for the future invites the world to join us on our journey as we continuously develop innovations focused on reducing costs, increasing access and improving quality around the world. Headquartered in the United Kingdom, GE Healthcare is a unit of General Electric Company (NYSE: GE). Worldwide, GE Healthcare employees are committed to serving healthcare professionals and their patients in more than 100 countries. For more information about GE Healthcare, visit our website at www.gehealthcare.com.

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Specifications:

Dimensions	281mm x 305mm x 560mm 11" H x 12"W x 22"D
Weight	11.5 kg (25.4 lbs.)
Display	6.5" Color LCD VGA (640 x 480) Tilts and inverts for optimal viewing Brightness $\geq 400\text{cd/m}^2$
Printer	Internal: 58mm thermal printer with graphical output External: Contact local sales/distributor representative
USB port	USB 2.0 USB host x 2, USB slave x 1
Transducers	Quarter wave-matched broadband single element (25 mm Dia) Center frequency = 0.5 MHz Single element transmission and reception Fluid-coupled, through transmission (95 mm distance)
Output power of ultrasound	$p < 1\text{ MPa}$ $I_{ob} < 20\text{ mW/cm}^2$ $I_{sp} < 100\text{ mW/cm}^2$
Coupling System	SmartDry with 70% isopropyl or ethanol Fluid-coupled, through-transmission ultrasound Heated coupling fluid 33°C (92°F) Replaceable membranes (biocompatible) Pressure < 1.5 psi
Analysis	Real-time, point-by-point analog/digital conversion Smart detection algorithm, discrete fourier transform Simultaneous stiffness/SOS/BUA determination Automatic signal strength compensation Bi-directional ultrasound wave acquisition
Results	Stiffness index with WHO classification T-score with % young adult Z-score with % age-matched SOS/BUA
In vivo precision and accuracy	<2.0% CV in osteoporotic person between 15 and 33° C
Measurement time	<10 seconds
Voltage	100-240V AC @50/60 Hz
Power consumption	Standby: 25W 650 VA without peripherals
THD (Total Harmonic distortion)	< 5% per IEEE 519-1992 standard for power quality and total harmonic distortion
Operating ambient	Temperature: 15°C - 35°C Humidity: 30-90%RH (non-condensed) Noise Level: $\leq 65\text{ dB}$
Storage/transport ambient	Temperature: -20°C - 70°C Humidity: 30-95%RH (non-condensed)
Shock (no operation)	$\leq 1\text{G}$ for more than 1ms
Vibration (no operation)	0.25G at 5Hz
Static	Static-free environment
Dust, fumes, and debris	Clean, well ventilated environment, free from dust, smoke, and other airborne contaminants.
External cleaning agents	70% alcohol

