

WINDROCK 6400 PORTABLE ANALYZER

Product Comparison Table

Feature	6320	6400	Benefit
UTILITY - DESIGN IMPROVEMENTS			
Size (Inches)	10.5 x 8.5 x 2	10.5 x 8.5 x 1.75	Compact tablet design for easy use and transport
Weight (Pounds)	5.25	4.3	Reduced weight puts less strain on user
Number of Strap Connection Points	2	4	Customizable strap combinations to reduce strain
Screen Type (Resolution)	LCD (640x480)	LCD (600x800)	Readable in all conditions
Modern Ergonomics	X	✓	Updated design and intuitive keyboard use
Transport Cases Required for Kit	2	1	Easier transport to reduce strain
Multi-Language Interface Supported	X	✓	International user friendly
Software Selectable Wireless Channels	X	✓	Eight channels total, field adjustable wireless reduces RF interference
Integrated Bluetooth & Wifi	X	✓	Download & connectivity options
Rechargeable Internal Battery	X	✓	More reliable operation
EFFICIENCY & SAFETY - LESS TIME ON THE MACHINE			
Ultrasonic & IR Sensors	Separate	Integrated	Faster data collection, less time on machine
Remote Trigger on ULT/IR Sensor	X	✓	Faster data collection, easier use
Encoder & Wireless Transmitter	Separate	Integrated	Simplifies system, faster setup time, eliminates cable hazard
Strobe Connectivity	Connect to encoder	Connect to analyzer	Easier, faster setup, less cables
Analyzer User Interface	DOS	Windows	Easier, faster navigation
Encoder User Interface	X	✓	Easier setup, improved troubleshooting
Full Hazardous Area Approval	X	✓	Safer data collection, no work permits for all components and strobe light



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PERFORMANCE - BETTER DIAGNOSTICS			
Processor Speed (MHz)	500	1500	Faster data collection and report processing
Memory (GB)	2 to 8	10	Improved analyzer performance
Storage (GB)	4	50	Nearly unlimited storage on solid state drive
Smart Sensors	X	✓	Improved data collection, less errors
TDC Resolution	0.5 degrees	0.1 degrees	Improved resolution of TDC signal
Recordable TDC Offset	X	✓	Improved analysis, faster setup
Internal Barometer	X	✓	More accurate calculations and theoretical models
Data Capture	Forward only	Previous or Forward	Allows user to capture transient data seen during collection
Analysis Software (Windrock MD)	✓	✓	Cross-platform compatible and data exchange
Ultrasonic Filter Options	X	✓	Ability to emulate data from RECIP-TRAP ULT200
Improved Vibration Filters	X	✓	Improved data collection on high speed engines
Recordable Ultrasonic Gain Level	X	✓	More consistent data collection and analysis
Viewable (Real-Time) Multi-Sample Data Collection	X	✓	Improved on-machine analysis
Storage of Crank-Angle Samples	9	Unlimited	Ability to identify intermittent faults or conditions
Pressure Spike Removal	X	✓	Improved on-machine analysis
4 Samples/Degree of Vibration Result Ion at All Speeds	X	✓	Improved analysis
Sampling Rate (kHz)	50	100	Better data collection, reduce anti-aliasing errors
FFT Fmax (kHz)	40	50	Improved analysis of high speed rotating equipment

