

AVV-711 Wireless Laser Alignment System



COMPLIES WITH CE MARKING REQUIREMENTS
EXCEPT FOR INFORMATION PROVIDED TO
LAW ENFORCEMENT AND THE UNITED STATES OF AMERICA



WIRELESS

**ISO9001:2008
CERTIFIED**



3 Year Warranty



Bluetooth

**REAL-TIME
Display**

**Rugged
Construction**



AVV-711

AVV-711™

Control Display	
CPU	Ultra low power ARM Processor running at 533 MHz
Memory	64 MB RAM, 256 MB Internal Flash, 2GB Ultra High Speed Memory
Display	(Sunlight-readable) backlit TFT colour graphic display with AR coating Resolution: QVGA, 320 x 240 Pixel; Dimensions: 3.5 inch diagonal Keyboard elements: Navigation cursor, cross with up, clear and menu keys; Alphanumeric keyboard with dimensions, measure and results hard keys
LED indicators	On-screen icon indicator for laser status and alignment condition 2 LED (Red+Green) for wireless communication and battery status
Power supply	Operating time: 28hrs (Ni-MH low self-discharge rechargeable battery) 13 hrs (disposable batteries) typical use (based on operating cycle of 25% measurement, 25% computation and 50% 'sleep' mode) Disposable Alkaline Batteries: 1.2 V AA [optional] NiMH rechargeable battery: 4.8 V / min. 2.5 Ah
External interface	1 x USB host for external memory (up to 32GB) 1 x USB slave for PC communication / Power bank quick charge RS232 (serial) for S & M transducers Integrated wireless communication Class 1 transmitting power 100mW AC charging adapter / Direct USB charging
Environmental protection	IP 65 (dustproof and water spray resistant), shockproof Rubbed grip chassis
Temperature range	Relative humidity 10% to 90% Operation: 0°C to 55°C [32°F to 131°F] Storage: -20°C to 60°C [-4°F to 140°F]
Dimensions	Approx. 215 x 102 x 38 mm [8 7/16" x 4" x 1 1/2"]
Weight	Ultra-light 365 grams (without battery)
CE conformity	EC guidelines for electric devices (2004/108 EWG) are fulfilled
Transducers	
S & M Sensor Particulars	5-axis receiver: 2 planes (4 displacement axes) Environmental protection: IP 67 (submersible, dustproof) Ambient light protection: yes Storage temperature: -20°C to 80°C [-4°F to 176°F] Operating temperature: 0°C to 60°C [32°F to 140°F] Sensor area: Dynamically extendible by Offset Resolution: 1 µm (0.04 mil) for 2D Measurement distance: up to 10 m
S & M Laser Particulars	Type: GaAAs semiconductor laser Beam divergence: 0.3 mrad Environmental protection: IP 67 (submersible, dustproof) Beam power: < 1 mW Wavelength (typical) 675 nm (red, visible) Safety class: Class 2, FDA 21 CFR 1000 and 1040 Safety precautions: Do not look into laser beam Power supply not required unless using wireless module Storage temperature: -20°C to 80°C [-4°F to 176°F] Operating temperature: -20°C to 60°C [-4°F to 140°F] Dimensions: approx. 64 x 58 x 45 mm [2 1/2" x 2 1/4" x 1 3/4"] Weight: approx. 223 g [7.86 oz.]
Carrying case Particulars	Standard: ABS, drop tested 2 m [6 1/2 ft] Case dimensions: approx. 456 x 355 x 133mm [17 15/16" x 14" x 5 1/4"] Weight, including all standard parts: approx. 8 kg [17.6 lb]
Bluetooth module for wireless communication w/ transducer (optional) Particulars	Class 1 connectivity, transmitting power 100 mW Transmission distance: 100 m [330 ft.] Complies with FCC rules part 15.247 LED indicators: 2 LED (red+green) for wireless communication and for battery status Power supply: Batteries Li-Ion BL-5B Operating time: 16 hours typical use (based upon an operating cycle of 50% measurement, 50% standby) Operating temperature: -10°C to 50°C [14°F to 122°F]
Environmental protection	IP 65 (dustproof and water spray resistant), shockproof
Dimensions	Approx. 73 x 58 x 15 mm [2 7/8" x 2 1/4" x 9/16"]
Weight	Approx. 66 g [2.3 oz.] including batteries and cable



"Keyless" data entry - simply turn the shaft by at least 45 degrees and the device will automatically register between 3 to 35 data points.

High precision two-axis measurement system allows alignment in two planes simultaneously (e.g. horizontal and vertical) with real-time data updates.

Hassle free rough alignment - virtually boundless sensor with on-the-go beam adjustment option.

Robust data management - you can stop the measurement session at any point, turn off the device, and return to it at a later time. Print a report via the database software on your PC or save it directly into a .pdf file on the device. We also offer a wide range of optional features and fixtures to fit your needs. And, last but not least, all of these come at unbeatable price

OPTIONAL HARDWARE:



KB-8003:
Bolt hole bracket



KB-8004:
Offset adaptor



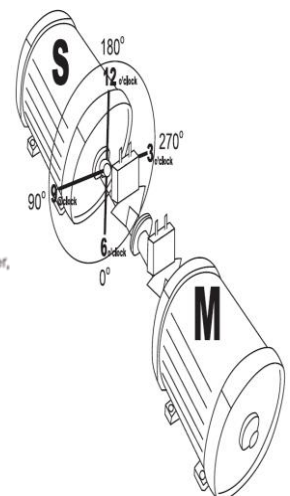
KB-8006-2:
Compact magnetic bracket for rotate & non-rotate shaft



LATEST! 107Bi [5-in-1]
Ultra Compact FFT Data Collector for Spectrum and Bearing diagnostic, Tachometer, IR Temp. and CONSPECT Software



METZ™ A,B,C & D sizes Alignment Shims complete with carry case package



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