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Test & Measurement

- > sales
- > rentals
- > calibration
- > repair
- > disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can call us for FREE!

TMG Corporate Website

TMG Products Website



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Product Lifecycle Management System

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SPAA05 - NEX[®]

Satellite Positioning Antenna Alignment tool



Azimuth Results Delivered
to PDA via Bluetooth



www.3ZPRODUCTS.com

Information

The **SPAA05-NEX** GPS based Antenna Alignment Tool is specially designed to improve the nominal antenna Bearing (Azimuth) of GSM, CDMA, WiMax, WiFi, DCS, Microwave and UMTS Mobile Networks. Accurate antenna alignment can improve key performance indicators such as network accessibility and reliability.

The **SPAA05-NEX** system features an easy-to-use antenna mount, convenient handheld PDA, and time saving back-office software.

Main Functions

The **SPAA05-NEX** uses precision GPS Technology to measure, in real time; the exact antenna bearing within 2 minutes after the system is switched on. The resulting bearing is accurate within a tolerance $\pm 0.5^\circ$

With conventional antenna alignment methods such as a magnetic compass or triangulation, most installation companies cannot achieve the current carrier requirement of between $\pm 3^\circ$ and $\pm 5^\circ$.

For that reason most European Network operators as well as some US Network operators have made the SPAA05 tool their standard and preferred antenna alignment method.

How to use it

A simple 5-step procedure measures and stores the individual antenna bearing as well as additional site information. Our file encryption process stores the measured azimuth along with position, date, and time stamp. Back-office processing takes just a few minutes per site leaving you with a formatted report with each antenna's azimuth.

System Accuracy

Heading: $0.5^\circ / 0.8^\circ / 1.5^\circ$ (RMS/AVG100/Real-time)
Position: ± 1 foot
Height: ± 6.5 feet

Dimensions

HxWxD (in): 34x5x2
Traveling HxWxD (in): 47x17x7
Shipped Weight: 37 lbs

