



ANX-1250

GPS/Satellite 帯アンテナ特性検査機

GPS/Satellite band antenna characteristic checker

周波数特性、VSWR 測定検査を低価格でご提案



● D : W370×H100×D390(mm)

● W : 6.5 kg

GP-IB

RS-232C

USB

Isolation I/O

概要 / Outline

ANX-1250 は、GPS/Satellite 帯域の車載用アンテナの簡易特性検査に最適な装置です。

本器は、高周波信号発生部と選択レベル測定部から構成され、周波数範囲 700MHz ~ 2.5GHz、出力レベル範囲 -10 ~ -40dBm の基本仕様となります。測定精度を保証するためキャリブレーション機能を用意、測定の自己校正が容易に行えます。また、被検査品に電源供給をするため、電圧可変型電源 1.5 ~ 17.0V を搭載、消費電流の測定、過負荷状態の検出機能を備えました。

被検査品の周辺治具まわりの制御に便利な絶縁型 I/O を搭載、車載用アンテナの自動検査システムへのご利用に最適です。

ANX-1250 is the optimal equipment for the simple characteristic inspecting of AM/FM/DTV band antenna.

This consists of high frequency signal generator and selection level measurement device. Frequency range from 10 kHz to 1.5GHz, and output level range from -11 to 50dBm is basic specification. Calibration function is prepared in order to guarantee a measurement accuracy. Therefore, self-calibration of measurement can be performed easily. Moreover, the 1.5-17.0V voltage variable power supply is equipment for a power supply of inspection object.

Measurement of the consumed current and the detecting function of an overload state were equipped.

特長 / Features

■ 検査システムの小型・簡略化ができるため、省スペース化がはかれます。

■ Network Analyzer 不要の計測システムが構築できます。

■ 検査設備のローコスト化が可能です。

■ CALibration 機能により測定基準管理が容易に行えます。

■ データベース管理展開が容易に行えます。

■ 絶縁型 I/O を搭載しております。 → +24V 電源供給が可能です。

■ 現在、ご使用の周辺器機、治具を活用できます。

■ VSWR(S11) 測定や抵抗測定に対応しております。

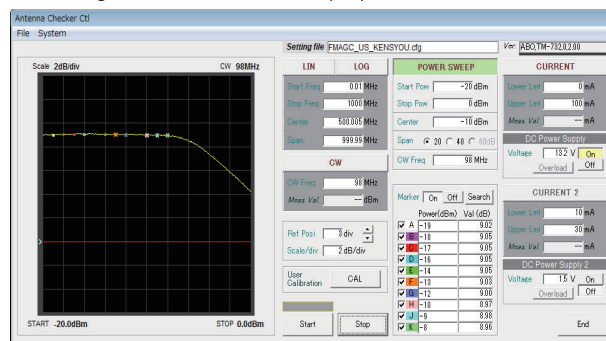
- Since small size and simplification of an inspection system can be performed, space-saving can be achieved.
- The instrumentation system of Network Analyzer needlessness can be built.
- Low-cost of inspection equipment is possible.
- CALibration function can perform measuring standard management easily.
- Database management deployment can be performed easily.
- Insulated type I/O is equipped. → +24V feeding power is possible.
- Now, the used peripheral equipment and jig are utilizable.
- It supports VSWR (S11) measurement and resistance measurement.

仕様 / Specification

測定用信号発生器 / Signal generator		
Frequency range		700MHz ~ 2.5GHz
Setting resolution		10kHz
Frequency accuracy		±0.9×10 ⁻⁶
Output level range		-10 ~ -40dBm (-10 ~ -20dBm at VSWR measurement)
: Resolution		1 dB
: Accuracy		± 1.5dB
Output impedance		50Ω (N-connector)
VSWR		Less than 1.5
Spurious	Harmonic	Less than -30 dBc
	Non harmonic	Less than -40 dBc
Sweep control		Sweep/CW
測定部 / Measurement		
Frequency range		700MHz ~ 2.5GHz
Measurement level range		0dBm ~ -60dBm
: Dynamic range		60dB
: Accuracy		Less than 0.5dB at 0dBm ~ -19.99dBm (after CAL)
		Less than 1.5dB at -20dBm ~ -60Bm (after CAL)
Input impedance		50Ω (N-connector)
VSWR measurement range		1.5 ~ 5.0 at output level is -10 ~ -20dBm
Resistance measurement range		0 ~ 1MΩ
供給電源 / Power supply		
Voltage range		1.5 ~ 17.0V with ON/OFF function、300mA max.
: Resolution		0.1V
Current measurement		0 ~ 300.0mA
: Resolution		0.01mA
: Accuracy		±1mA at 0 ~ 99.99mA
		±1mA+0.5% at 100.00 ~ 300.00mA
Overload detection		320mA
一般仕様 / General		
Interface		GP-IB (IEEE488)
/Power supply (Common to 2 lines)		RS-232C、USB、Isolated EXT-I/O
Dimension		W370 xH100 xD390 (mm) (Projection thing is excluded.)
Power requirements		AC100/120/220/230V (change) 50/60Hz
Power consumption		Approx. 55VA max.
Weight		6.5kg
Guarantee temperature and humidity		10 ~ 35℃、Less than 85%RH

Measurement soft example

The original software of ABO is proposed.



Characteristics display screen

The five modes are prepared.

- Characteristics measurement screen (sweep)
- Characteristics measurement screen (spot)
- VSWR measurement screen
- Resistance measurement screen
- Consumed-current measurement screen

Automatic-measurement screen

Measurement data is saved in CSV file form

Data management system

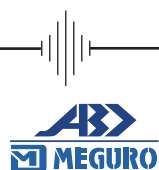
The Construction of a data management system using LAN, etc. have a track record

Calibration function

It is standard proofreading by CAL



※ A photograph is TM-722.



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