ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Cobham / Aeroflex / Wavetek 2410A* at our website: ***Click HERE***

Specifications

Frequency

Range:
2410: 0.01 to 1100 MHz
2405: 0.01 to 550 MHz
Resolution: Digital display, 0.1 Hz.
Frequency Stability (0° to 50° C):
Standard: 2.5 ppm
Optional: 0.1 ppm
Frequency Stability (Aging): < 1 ppm/year.
Switching Speed: 200 ms ± 100 Hz of final value in CW; changes < 10 kHz in FM, typical 100 ms.
Warm-up Time: 1 hr.
External Reference: 10 MHz

RF Output

Impedance: 50 Ω (SWR 1.5:1 @ output level < -3 dBm)
Output Connector: Type N, female
Output Level Range: -127 to +13 dBm
Output Resolution: 0.1 dB
Level Accuracy: ± 1.5 dB
Flatness: ± 1 dB
EMI/RFI Leakage: < 1.0 µV into a 2 turn, 1 in. dia. loop, 1 in. from any surface (@ 550 MHz)

Spectral Purity

Harmonics:
For CW < 10 MHz: < -30 dBc
For CW > 10 MHz: < -26 dBc
Subharmonics (> 550 MHz): < 25 dBc
Nonharmonics:
Spurious (> 5 kHz from Carrier): < -55 dBc
Phase Noise @ 500 MHz:
10 kHz offset: -109 dBc guaranteed
20 kHz offset: -113 dBc guaranteed
Residual AM, Mod Off (50 Hz to 15 kHz Postdetector BW): -60 dBc
Residual FM, Mod Off:

PDBW	0.3 to 3 kHz	0.05 to 15 kHz
< 137.5 MHz	< 15 Hz	< 20 Hz
137.5 to 275 MHz	< 8 Hz	< 12.5 Hz

Modulation

Types: AM, FM
Internal Source: 400 Hz, 1 kHz
External Source: 400 Hz, 1 kHz
AM Freq. Response (0-50%): 10 Hz to 50 kHz
AM Resolution: 0.1%
AM Accuracy, (0 to 90%): ± (1% Full Scale +5% of Reading)
AM Range: 0 to 99.9%
AM Distortion:
< 90% AM: < 5%.
< 70% AM: < 3%.
< 30% AM: < 1.5%.
FM Rate: 50 Hz to 100 kHz (3 dB BW).
FM Resolution:
For FM < 100 kHz: 100 Hz.
For FM > 100 kHz: 1 kHz.
FM Accuracy: ± 5% of indicated setting at 1 kHz or 400 Hz rate excluding residual FM.
FM Deviation Range:
0.01 MHz < CW < 1 MHz: 0 to 10 kHz.
1 MHz < CW < 3 MHz: 0 to 100 kHz.
3 MHz < CW < 137.49999 MHz: 0 to 1 MHz.
137.49999 MHz < CW < 275 MHz: 0 to 500 kHz.
CW > 275 MHz: 0 to 1 MHz.
FM Distortion:
Internal Source: < 2% harmonic distortion at 1 kHz or 400 Hz rate, FM < 100 kHz peak.
External Source: < 0.5% at 1 kHz or 400 Hz rate, FM < 100 kHz peak.

General

Front Panel Control: Push buttons, GPIB.
Reverse Power Protection: 50 watts.
GPIB (Standard):
Interface: GPIB IEEE-488-1978, 1987.
Functions: T6, L4, SH1, AH1, RL1, DC1, DT1, E2, SR1, TE0, LE0, PP0, C0.
Features:

- 20 nonvolatile stored settings standard.
- Front-panel programming of GPIB address.
- Power-on confidence check.
- AutoCal™ frequency and level calibration.

Dimensions: 13.2 cm (5.2 in) high, 31.8 cm (12.5 in) wide, 53.3 cm (21 in) deep.
Weight: 12.7 kg (28 lb).
Power: 100, 115, 215 or 230 Vac ± 10%.
Environment: MIL-T-28800C, Class 5, 95% humidity, noncondensing.
Operating Temp. Range: 0° to 50° C.

Factory/FOB

Indianapolis, Indiana

For more information, contact your local Wavetek representative (pp. 91-96).

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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