

Gorman-Redlich Mfg. Co. are the experts with more than 35 years of excellence in the broadcast industry.

Our Model CMR directional AM antenna monitor sets the industry standard for reliability, versatility, and affordability. That might explain why AM broadcasters around the world have trusted it for decades!

The CMR is a state of the art digital instrument with unparalleled accuracy and stability, at a price comparable with analog monitors. The CMR's true ratio readout is typically a factor of 10 more stable than instruments that measure normalized amplitude, and its phase readout is rock solid. Phase sign is automatic; requiring no extra operation. Practically, these features mean quick, accurate readings.

A 15 kHz intermediate frequency allows broadcasters to easily monitor multiple stations multiplexed onto the same towers without the need for expensive add-on filters. Dual protection from sample line surges due to lightning.

▶ CMR AM Antenna Monitor

▶ BENEFITS

- FCC Type Approved
- 3U (5.25-in) Equipment footprint
- 15 kHz IF allows multiplexed tower monitoring
- No "Support Sunset"

▶ FEATURES

- True Ratio reading—discrete readings with electronic calculations
- Stable, accurate phase reading with automatic phase sign.
- Amplitude or True Ratio display selection
- Dual surge protection
- Substantially exceeds FCC accuracy specs
- Supports up to six towers
- Type N or UHF connectors
- Fully remotable by land or telemetry
- Optional repeater-controller allows hard-wired remoting up to 1500'
- Designed and MADE IN USA



Phone: 740-593-3150
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Gorman-Redlich Mfg. Co.
257 W Union St
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MODEL CMR



The CMR is fully remoteable via land or telemetry, using standard remote control equipment. An optional repeater-controller is available for hardwire remote control and readout via multiconductor cable at distances up to 1500 feet.

We are often asked why this unit is so affordable. Our response: “why are other units so expensive?”

▶ Specifications & Features

HARDWARE

Height	3 Rack Unit—5.25 in
Width	Standard 19 inch rack-mount
Certification	FCC Type Approved
Power	108-132V, 6 Watts, 50-60 Hz
Frequency Range	500-2000 kHz
Tower Support	Up to six towers, DA1 or DA2
Ratio	Range: 0-1.999 / Resolution: 0.001 Accuracy: 0.5% or better (FCC Spec: 5% 0.2-0.5)
Phase	Range: 0-±180° / Resolution: 0.1° Accuracy: 0.5° / Linearity: 0.3% or better Automatic phase sign
Sample Signal Range	1.8-15V RMS
Display	LED, automatic blanking when inactive
BCD Output	Multiplexed, at TTL levels with 1 TTL load fanout. 4 BCD lines, 4 digit select lines, 1 parameter select line, 1 phase sign line
Surge Protection	Gas discharge tubes across sample lines, inactivity relay dropout
Remote Output	Max 4.5 VDC for ratios of 1.999, linearity 0.5%+, min load 4000Ω
Sample Line Terminations	50Ω or 75Ω, N-type or UHF



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