



# SIGNAL CONDITIONER TORQUE CATALOGUE#: 62011

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## **GENERAL DESCRIPTION**

The McNab "Torque Signal Conditioner" (Catalogue#: 62011) is a completely solid-state high precision measurement device, which utilizes its advanced circuitry to interpret data from a given FM input signal. The instrument is of rugged construction and offers exceptional operational stability.

## **APPLICATION**

The instrument is used where receiving and decoding an FM signal is the primary consideration. In addition, this device will produce an output signal, which is directly proportional to the input signal.

## **SPECIFICATIONS**

Modulation Type:	FM/FM (100 kHz deviation typical)
Capture Range:	9.90 MHz to 11.10 MHz
Center Frequency:	10.68 MHz
Modulated Frequency Range:	1.0 kHz to 2.2 kHz
Input Signal Amplitude Range:	0.30 mV to 3.0 V
Frequency Selective Tuning:	Screwdriver adjustable between capture range
Zero Control:	Screwdriver adjustable, 50% of full scale
Span Control:	Screwdriver adjustable, 50% of full scale
Standard Output:	0 TO +10V
Optional Outputs:	0 to +- 5V (differential)
	0 to +- 5V (isolated)
	0 to +- 1mA (single-ended)
	4 to 20 mA (isolated)
	0 to +- 1V
	0 to +- .5mA
Signal To Noise Ratio:	Better than 40 dB
Repeatability:	0.1% of full scale
Linearity:	0.1% of full scale
Accuracy:	+/- 0.5% of full scale
Power Requirements:	109-121 VAC / 60 Hz
Power Dissipation:	10.8 Watts (Maximum)
Power supply Current:	450 mA (Maximum)
Input Impedance:	100 kohms
Output Impedance:	1 ohm
Temperature Range:	14°F to 149°F - operating
Interface:	10 Pin terminal block
Elapse Time Indicator:	Optional
Construction:	Aluminum alloy enclosure
Weight:	12.0 lbs.
Dimensions:	8 3/8" x 11 9/16" x 7"
Other:	Consult factory for special requirements

Specifications subject to change without notice.

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**A02-23A**