SHAFT TORQUE
DATA TRANSMITTER SIMULATOR
CATALOG #: 500298

GENERAL DESCRIPTION:

The McNab "Data Transmitter Simulator" (Catalogue#: 500298) is a complete solid-state battery powered simulator that provides FM telemetry circuitry to simulate shaft torque. It is suitable for all McNab (LVDT or Strain Gage Sensors) shaft torque monitoring systems. It is particularly useful for shipboard personnel to functionally verify the torque meters for pre-underway check out.

APPLICATION:

The simulator is a tool used for functional testing and trouble-shooting. By simulating torque shaft mounted components without having to remove anything from shaft, the simulator transmits a modulated signal to the ship Signal Conditioner Receiver for processing. Various torque valves can be switched in simulate the entire range of the torque meter. An operating manual (#616) is provided with each unit.

SPECIFICATIONS:

Measurement Range:	Zero to ± ship full torque scale for Strain, magnetic or LVDT systems
Subcarrier Center Frequency:	1570 Hz (Typical)
Deviation Bandwidth:	30% (±15%) of carrier frequency
Carrier Frequency:	10.7 MHz, screwdriver adjustable
FM Deviation (Carrier):	100 kHz ±20 kHz
R.F. Power Output:	Typically 30 µwatts into a 2000 Ω load
Power Requirements:	9V batteries
Weight:	2lbs.
Applicability:	Models 61000, 61500, 62000, 64000, 64500, 65400, and 65000

Notes:

1- Unless specified, parts to be considered as listed, "or equivalent."

2- Specifications subject to change without notice.

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