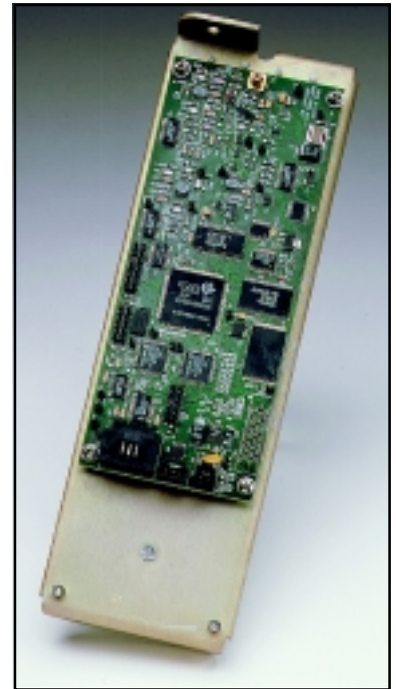


TELESONAR PC BOARDS

The ATM-885 / 885R PCB sets are low cost, small, light weight components for OEM instrumentation use, AUVs, and other applications where power or size limitations preclude the use of the standard ATM-885 Series Acoustic Modems. Benthos offers two PCB configurations:

Model ATM-885 PCB is a complete PCB set which comes with a choice of small, low cost transducer elements. This configuration is best suited for applications with very strict size and weight limitations which prohibit the use of a standard, fully housed transducer. In this configuration, the PCB includes the transmitter (typically housed in the standard Telesonar Transducers), and cable interconnect length between the PCB and the transducer element is limited to 3 to 4 meters.



Transducer elements for use with the ATM-885 PCB include:

- ▶ 9-14 kHz low frequency (LF) omnidirectional transducer (ATM-885 PCB LF Omni)
- ▶ 16 - 21 kHz mid frequency (MF) omnidirectional transducer (ATM-885 PCB MF Omni)
- ▶ 16 - 21 kHz mid frequency (MF) 60 degree directional transducer (ATM-885 PCB MF Directional)
- ▶ 25 - 30 kHz high frequency (HF) omnidirectional transducer (ATM-885 PCB HF Omni)

▶ ACOUSTICS

▶ FLOTATION

▶ GEOPHYSICAL

▶ HYDROPHONES

▶ IMAGING

▶ LOCATOR

▶ MODEMS

▶ ROBOTICS



Model ATM-885R PCB Printer Circuit Board set is for use with the standard AT-408, AT-421 and AT-409 Telesonar Transducers. These transducers all include an integral transmitter and preamplifier, thus removing the restriction on the distance between the electronics and remote transducer. This configuration is ideally suited for applications which allow for the added space and weight of a fully housed transducer, and/or require an extended cable length.

Transducer selection for the ATM-885R PCB includes:



AT-408 Acoustic Transducer



AT-421 Acoustic Transducer



AT-409 Acoustic Transducer

Physical Characteristics:

Chassis Dimensions: 2.81 in. wide by 1.5 in. high by 8.75 in. long
Mounting: Chassis mounting holes

Standard Transducer

Cable Lengths: 2, 10 and 25 meters

Power Requirements:

Receive Current: 0.25 Amps
Transmit Current: 2 amps max @ full power
Standby: .001 amps
External Input Power: 14.8 - 28 VDC

*Note: Current drains are nominal values independent of choice of transducer element.
Consult factory if precise values are required.*



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