

## Serial NTDS Isolation Tap Box

Sabtech's Serial NTDS Isolation Tap Box is the ideal solution for reliably tapping NTDS Serial Type D and E interfaces. It connects easily to existing cables forming a tee connection that can be used for data monitoring and acquisition over long distances.

Signal integrity is assured when using the Serial Isolation Tap. The tap can be powered up or down with no impact to active NTDS communications. Isolation of the tapped signal from the tee connection is achieved by transformer-coupling it to the input stage of a separate active circuit. The tee circuit produces a regenerated NTDS serial signal that allows the remote monitor to be located at distances up to the maximum cable length specified in MIL-STD-1397C (1000 ft. for Type D, 985 ft. for Type E).

### Specifications

**Package Form Factor:**

- Height: 4.7", Width: 7.9", Depth: 7.9"

**Weight:**

- 10 lbs.

**Operating Temperature:**

- 0- 50 degrees Centigrade

**Relative Humidity:**

- 5% - 90% (non-condensing)

**NTDS Input Impedance:**

- > 2K Ohms to Source or Sink

**NTDS Tapped Output Impedance:**

- NTDS Type "E" • 50 Ohms
- NTDS Type "D" • 70 Ohms

**NTDS Connectors:**

- NTDS Type "E" • (4) Source/Sink Input, Trompeter BJ80 (tri-axial)\*
- (2) Output Interface, Trompeter BJ770 (tri-axial)\*
- NTDS Type "D" • (4) Source/Sink Input, Trompeter BNC (co-axial)\*
- (2) Output Interface, Trompeter BNC (co-axial)\*

**Controls:**

- AC Power Switch

**Indicators:**

- Output (A/B) LED activity indicators (green)
- AC applied power LED indicator (green)

**Power requirements:**

- 90-240 VAC (1A, MAX); Power cable:
- IEC publication 320



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The Serial Isolation Tap's negligible load factor allows multiple taps to be placed on the same cable with no signal degradation. It's also possible to tap the tee output of another tap, cascading taps as many times as needed to distribute the signal to multiple destinations.

Access the NTDS data you need without interference to your system with Sabtech's NTDS Serial Isolation Tap Box.

### Ordering Information

| Product / Description                                  | Model Number |
|--|--------------|
| Isolated Passive Tap, NTDS Type E, Triaxial Connectors | AN-ST012-00  |
| Isolated Passive Tap, NTDS Type D, Coaxial Connectors  | AN-ST013-00  |

Custom configurations available upon request. Contact factory at 714-692-3800 for more information.



REAR VIEW