Parallel NTDS Isolation Tap Box

Sabtech's NTDS Parallel Isolation Tap Box is the ideal solution for reliably tapping NTDS Serial Type A, B, C and H 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 Parallel Isolation Tap Box. The tap is a passive device that can be powered up or down with no impact to active NTDS communications. Cable shielding through the tap is unbroken and is completely isolated from chassis ground. Isolation of the tapped signals from the tee connection is achieved by transformer-coupling them to the input stage of separate tee circuits. The tee circuits produce regenerated NTDS parallel signals that allow the remote monitor to be located at distances up to the maximum cable length specified in MIL- STD-1397C for the NTDS type being tapped. The 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. NTDS Type A, B, C or H selection is made by a single manual switch.

PARALLEL NTDS ISOLATION TAP BOX

The tap comes in several models, each configured with different styles of common NTDS circular military connectors. D-Sub connectors are used for the tap's output making it easy to connect to Sabtech's NTDS I/O Analyzer (NIA-II™) or other devices using commercial cabling. Control signals and the lower 16 data bits are accessible via the 50-pin D-Sub connectors. The upper 16 data bits are presented on the 37-pin D-Sub connectors.

Get access to the NTDS data you need without interference to your system with Sabtech's NTDS Parallel Isolation Tap Box.

Specifications

PACKAGE FORM FACTOR :
- Height: 4.8", Width: 12", Depth: 9"

WEIGHT :
- 12 lbs.

OPERATING TEMPERATURE:
- 0 - 55°C

RELATIVE HUMIDITY:
- 5% - 90% (non-condensing)

NTDS INPUT RESISTENCE:
- >50K ohms

NTDS CONNECTORS: (Varies by model)
- Parallel, M81511/01EF01P1 & P2
- Parallel, M28840/12AG1P1 & P2
- Parallel, D38999/20WG35PN & PA

TAP OUTPUT INTERFACE:
- DB-50P (control signals and lower 16 bits of data and returns)
- DB-37P (upper 16 bits of data and returns)

CONTROLS:
- Manual switch for selection of Parallel NTDS type: A, B or C/H

INDICATORS:
- Red LED indicators for NTDS control signals-
- Input channel: EIE, EIR, IDA and IDR
- Output channel: EFA, EFR, ODA and ODR

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

Ordering Information

Product / Description	Model Number
Isolated Passive Tap, NTDS Type ABCH, M81511, 85 pin	AN-BT511-00
Isolated Passive Tap, NTDS Type ABCH, M28840, 92 pin	AN-BT840-00
Isolated Passive Tap, NTDS Type ABCH, M38999, 79 pin	AN-BT999-00

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