

## Broadcast | | DAB Timing Transmission Monitor



Designed for deployment within a DAB transmitter system, the **Timing Transmission Monitor (TTM)** unit provides low cost, precision monitoring to communication infrastructure companies. Quality of Service (QoS) information confirming that multiple transmitters within a Single Frequency Network (SFN) are all synchronised is readily available along with alarm monitoring.

Offering high accuracy (better than 1µs), real-time measurement capabilities, the TTM can monitor signals from both DAB exciters in a dual-drive system configuration. Intelligent software inside the TTM automatically caters for operation with different types of DAB transmitter & various types of timing pulse across all DAB modes (1, 2, 3 & 4). The high-contrast, temperature compensated LCD screen & LED indicators provide an intuitive User Interface. Real-time measurements, relative movement & settings can be viewed. A host of interface options allows for both on-site & off-site (remote) monitoring possibilities.



### Features

- ❑ High accuracy timing measurement capability.
- ❑ Inputs for both DAB exciters in a dual drive system.
- ❑ Compatible with different types of DAB transmitter.
- ❑ Intelligent software caters for different timing pulses.
- ❑ Alarms when timing signals drift or not present.
- ❑ On-site & off-site (remote) monitoring options.
- ❑ Internal software update & reprogramming.
- ❑ Test mode - simulates accurate timing signals for other equipment.
- ❑ Housed in a slim 19" 1U aluminium rack enclosure.
- ❑ Durable, robust, zero maintenance design.
- ❑ Easy to install - just plug in & power up.

Monitor & carry out diagnostics **remotely** on your transmission network

TTM | | At a glance ✕

**[Features]**

Low cost, precision monitoring  
 Supports all DAB modes (1 – 4)  
 Absolute timing measurements  
 On-site & remote monitoring  
 Immune to high ambient RF  
 Long service life  
 High reliability  
 Slim 19" 1U aluminium enclosure

**[Off-site comms. options]**

TTMv2.2 ModBus  
 TTMv3.0 SMTP (available 2010)





**Are there any moving parts, fans, disk drives, etc?**

No. The TTM unit is made up entirely of solid state electronic components.

**Are there any consumable parts?**

No. The TTM does not have any consumable parts.

**What are the exact dimensions of the TTM?**

The Timing Transmission Monitor (TTM) unit will fit into a standard 19 inch rack & occupies 44.45mm vertically (1.75 inches) - 1U. The depth of the unit including connectors is 300mm.

**Is there a user guide provided with the TTM?**

Yes. Each unit is shipped with a comprehensive Operating Manual that details all the key aspects of the unit. Tailored TTM training packages are also available on request. You & key members of your team can be given hands-on training by our experienced team.

**Is it possible to see a demonstration of the unit/organise a trial?**

Yes. Please contact our Programmes Director at AND for more information & to discuss your specific needs.

**www.andtr.com**

info@andtr.com

AND Technology Research Ltd., 4 Forest Drive, Theydon Bois, Essex. CM16 7EY. UK

+44 (0) 1992 814655 | Tel

andtr. | Skype

