

» WWVB1000

AN ECONOMICAL TIME SOURCE FOR YOUR TIME SERVER



KEY BENEFITS

Synchronise your time server to the US national standard at NIST

Indoor or outdoor installation

Simple to install surface mounting enclosure

A low-cost alternative to GPS

The WWVB1000 is an economical radio time code receiver, designed to operate as a low-cost or back-up timing reference for your time server. The radio receiver may be mounted externally or internally, and can be used in applications where GPS signals are not available.

WWVB RADIO TIME SIGNAL

The WWVB radio signal is a US national time reference broadcast from Fort Collins, Colorado, and can be received across North America.

The WWVB signal is broadcast at 60 kHz and is referenced to the national standard at NIST.

SIMPLE INSTALLATION

Installing the WWVB1000 is simple. The enclosure is suitable for internal or external installation and is available with a choice of cable lengths.

The cable is supplied pre-terminated for quick and easy connection to your time server.

Model Variations:

WWVB1000-05:	WWVB1000 Time Receiver supplied with 5m (15ft) cable
WWVB1000-15:	WWVB1000 Time Receiver supplied with 15m (50ft) cable
WWVB1000-50:	WWVB1000 Time Receiver supplied with 50m (150ft) cable

Typical Performance Specifications:

PPS accuracy:	40 msec
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I/O Connections:

I/O connection:	Single 1000 Series communication port
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Mechanical & Electrical Specifications:

Dimensions:	202 x 80 x 55 mm (7.95" x 3.15" x 2.17") (including removable wall brackets, excluding cable grommet)
Weight:	0.5 kg (excluding cable)
Enclosure:	IP66 / NEMA 4X rated, UV stabilised polycarbonate enclosure. Light grey body and clear cover
Cable:	Two pair plus drain 7x32 (24 AWG) stranded cable with 100% foil shield and semi-rigid, sunlight resistant, Polyvinyl Chloride (PVC) jacket

Environmental Specifications:

Operating temperature:	-20 to +50 °C
Relative humidity:	0% - 95%, noncondensing

Warranty & Support:

Warranty:	5 years
Support:	Free-of-charge lifetime technical support

Standards compliance:

Electrical Safety:	BS EN 60950-1:2006
Radio Disturbance:	BS EN 55022:2006
Immunity Characteristics:	BS EN 55024:2003
RoHS:	RoHS-Compliant