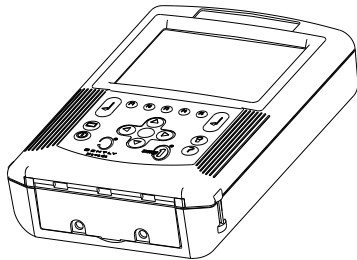


Snapshot* TIM Tester

Bently Nevada* Asset Condition Monitoring



Description

The Snapshot* TIM Tester is a verification and configuration tool for use with Bently Nevada* Trendmaster* Pro or 2000 condition monitoring systems. It is based on the highly successful Snapshot for Windows® CE portable platform. The TIM Tester is designed to help you troubleshoot Trendmaster system cable, transducer, or hardware problems. You can also use it to program address information into proTIM memory so you can use them with Trendmaster 2000 hardware and software.

Main features

- Available as a "TIM Tester only" Snapshot unit.
- Offers easy upgrade path from TIM Tester to fully featured data collector/analysis instrument.
- Compatible with TIM, flexiTIM*, proTIM-R and proTIM-C transducer interface modules.
- Allows you to use proTIM-R and proTIM-C products in Trendmaster 2000 systems.
- Can power up to 255 TIM channels.
- Can power TIMs via zener barriers or galvanic isolators.
- Allows decimal or binary address entry.
- Offers quick TIM and transducer OK/Not OK check.
- Can monitor or inject signals on Trendmaster signal lines.
- Provides spectrum/timebase display of TIM output.
- Allows you to archive uploaded data using System 1* software (only available on Snapshot Portable Data Collector with TIM Tester).

For detailed product and ordering information for Snapshot for Windows® CE data collector refer to the Snapshot for Windows® CE datasheet (part number 143338-01).



Specifications

Environmental Limits

Operating Temperature

-20 °C to +55 °C (-4 °F to +131 °F)

Relative Humidity

To 95 %, non-condensing

Electromagnetic Compatibility

Complies with EN50081-2 (emissions) and EN50082-2 (susceptibility)

IP Rating

IP54

Compliance and Certifications

EMC

Standards:
EN61000-6-2:2005
EN61000-6-4:2007

Low Voltage:

Standards:
EN 60950-1:2006

Hazardous Area Approvals

CSA/NRTL/C

Class 1, Division 2

Groups A, B, C, & D

T4 @ Ta = -20°C to +55°C

Can be connected to the TIM line on the safe side of a barrier or galvanic isolator and used to power TIMs in Div. 1 or Zone 0/1 areas.

Physical

Dimensions

250 x 163 x 60 mm (10.0 x 6.4 x 2.3 in)

Weight

2.0 kg (4.4 lbm)

System Features

Battery Type

Lithium ion

Battery Power

10 hours minimum, in use

Memory

24 MB on-board

Compatibility

All Trendmaster systems including:

TIM, flexiTIM interface module, proTIM-R, proTIM-C

Resolution

1% of full scale

Number of Channels vs. Cable Length

Cable Length (ft)	TIM Channels	proTIM Channels
1000	255	255
2000	255	255
3000	231	182
4000	175	119

Ordering Information

See the "Upgrading TIM Tester" section for information on how to upgrade from the TIM Tester to the Snapshot Portable Data Collector or to the Snapshot Portable Data Collector with TIM Tester.

Snapshot TIM Tester

PDC250-AXX-BXX-CXX

A: Hardware Option

- 01** TIM Tester and Cable Kit
- 50** Snapshot Upgrade to TIM Tester (RMA number needed)
- 99** Spare TIM Tester Only, without TIM cables

Specifications and Ordering Information
Part Number 162514-01
Rev. G (11/11)

B: Language

01 English

C: Approvals

00 No Approvals

01 CSA/NRTL/C

Snapshot TIM Tester contents**PDC250-01-XX-XX**

- 140858-02 Snapshot TIM TESTER Assembly
- 147892-01 Snapshot protective cover
- 01800000 Battery
- 02200210 External Power Supply and US/UK/EU/Brazil mains cables
- 02200283 RS-232 Lap-link cable
- 140870-01 Snapshot transport case
- 162500-01 Snapshot to TIM interface cable
- 162502-01 TIM cable splices (3 each)
- 162503-01 Loop-back test adapter
- 162490-01 Snapshot TIM Utilities Manual
- 143321-01 Windows® License Terms
- 144341-01 Software License Agreement
- 283607-01 Battery Removal Instructions
- Spare connectors (3 each):
 - 00523140 In-line splice
 - 00500785 5-pin TIM (legacy)
 - 00523104 5-pin connector cover
 - 01620085 proTIM-C/flexiTIM, female
 - 163872 5-pin header
 - 164045 proTIM-R, female
 - 164046 proTIM-R, male

PDC250-50-XX-XX (upgrade requires an RMA number)

- 162500-01 Snapshot to TIM interface cable
- 162502-01 TIM cable splices (3 each)
- 162503-01 Loop-back test adapter
- 162483-01 Snapshot TIM Tester pwa
- 141292-01 Battery Charger and P/S pwa
- 144341-01 Software License Agreement
- 283607-01 Battery Removal Instructions
- Spare connectors (3 each):
 - 00523140 In-line splice
 - 00500785 5-pin TIM (legacy)
 - 00523104 5-pin connector cover
 - 01620085 proTIM-C/flexiTIM, female
 - 163872 5-pin header
 - 164045 proTIM-R, female
 - 164046 proTIM-R, male
 -

PDC250-99-XX-XX

- 140858-02 Snapshot TIM TESTER Assembly
- 01800000 Battery
- 02200210 External Power Supply and US/UK/EU/Brazil mains cables
- 02200283 RS-232 Lap-link cable
- 162490-01 Snapshot TIM Utilities Manual
- 143321-01 Windows® License Terms
- 144341-01 Software License Agreement
- 283607-01 Battery Removal Instructions

PDC250 Accessories**140870-01****Transport case.****147892-01****Snapshot protective bag.****02200283****RS-232 Lap-link cable.****01609137****BNC to banana adapter.****01600123****BNC to test clip adapter.****01800000****Spare battery.****02200210****External Power Supply.****02200254****US mains cable.****02200256****UK mains cable.****02220258****EU mains cable.****285302****Brazil mains cable.****284885****External battery charger.**

Note : If you are using this to replace the old battery charger 02200253, and need the dual-bay capabilities, you will need to order two chargers.

PDC250 TIM Tester Accessories

162490-01

Snapshot TIM Utilities Manual.

01620085

proTIM-C connector, female.

164045

proTIM-R/flexiTIM connector,
female.

164046

proTIM-R connector, male.

85718-01

Trendmaster 2000 crimp tool.
For use with 00500785.

162500-01

TIM Interface Cable.

162502-01

Cable splice

Upgrading TIM Tester

Credit is given for existing PDC250 TIM Testers when you purchase any of the following upgrades to PDC550.

PDC250-01 Upgrade to Snapshot and TIM Tester**Available
Upgrades****PDC550-04**Snapshot and TIM Tester with
cable kit**PDC550-05**Snapshot and TIM Tester with kit
for accelerometers**PDC550-06**Snapshot and TIM Tester with kit
for Velomitor* sensors**PDC550-30**Snapshot and TIM Tester with kits
for accelerometers and Velomitor
sensors

**PDC250-99 Upgrade to Snapshot for Windows®
CE****Available
Upgrades****PDC550-00**Snapshot for Windows® CE with
cable kit**PDC550-01**Snapshot for Windows® CE with
kit for accelerometers**PDC550-02**Snapshot for Windows® CE with
kit for Velomitor sensors**PDC550-20**Snapshot for Windows® CE with
kits for accelerometers and
Velomitor sensors

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