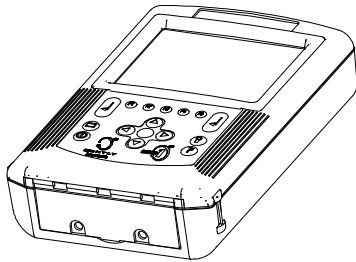


Snapshot™ TIM Tester

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

Safety Ratings

CSA/NRTL/C

Class 1, Division 2
Groups A, B, C, & D, T4

IEC 79-15

Class 1, Zone 2, Ex nC IIC T4
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

proTIM-R,

proTIM-C

Resolution

1% of full scale

Number of Channels vs. Cable Length

See Table 1.

Table 1: 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

A: Hardware Option

01 TIM Tester Snapshot
50 TIM Tester cables only
99 Spare TIM Tester without TIM cables

B: Language

01 English

TIM Tester Accessories

162490-01

Snapshot TIM Tester Quick Start Guide.

01620085
flexiTIM/proTIM-C connector,
female.

164045
proTIM-R 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.

General 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
Spare mains adapter.

02200253
External battery charger.

02200254
US mains cable.

02200256
UK mains cable.

02220258

EU mains cable.

Snapshot™ TIM Tester contents

PDC250-01-XX

- Snapshot for Windows CE Assembly
- Snapshot protective cover
- Snapshot transport case
- Battery
- Mains adapter and cables
- RS-232 Lap-link cable
- *Snapshot TIM Utilities Manual*
- TIM interface cable
- Spare connectors (3 each):
 - TIM (legacy)
 - flexiTIM
 - proTIM-R
 - proTIM-C
- TIM cable splices (3 each)
- Loop-back test connector

PDC250-50-XX

- *Snapshot TIM Utilities Manual*
- TIM Interface Cable
- Spare connectors (3 each):
 - TIM (legacy)
 - flexiTIM
 - proTIM-R
 - proTIM-C
- TIM cable splices (3 each)
- Loop-back test connector

PDC250-99-XX

- Snapshot for Windows CE Assembly
- Battery
- Mains adapter and cables
- RS-232 Lap-link cable

Upgrading TIM Tester

Credit is given for existing TIM Testers when you purchase upgrades marked with an asterisk (*).

PDC250-01 Upgrade

PDC250-01 Contents

TIM Tester and cable kit

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

PDC550-0X Upgrade

PDC550-0X Contents

Snapshot without TIM Tester
capabilities

Available Upgrades

PDC250-50

Snapshot Upgrade to TIM Tester

PDC250-99 Upgrade

PDC250-99 Contents

TIM Tester without cable kit

Available Upgrades

*PDC550-00**

Snapshot with cable kit

*PDC550-01**

Snapshot with kit for
accelerometers

*PDC550-02**

Snapshot with kit for Velomitor
sensors

*PDC550-20**

Snapshot with kits for
accelerometers and Velomitor
sensors

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