

## 1900/65A\* General Purpose Equipment Monitor Limited Time Promotion Packages

# fact sheet

### Introduction

The **1900/65A Limited Time Promotion Package** is an attractively priced suite that includes display, enclosure, power supply, sensors and cables. It provides additional value for applications that can utilize accels or velomiters for machinery monitoring and protection.

The **1900/65A is a flexible, cost-effective protection system** specifically designed to continuously monitor and protect essential and general-purpose machinery assets in a wide range of applications and industries. The 1900/65A supports RTD type sensors, 232/485 connections, a trip multiply function and dynamic input channels that can be configured for speed, vibration or position.

### Applications

Targeting less critical rotating equipment such as pumps, motors and fans, the **1900/65A delivers affordable stand-alone, multi-channel monitoring on those assets that require continuous machinery protection but do not warrant the cost of larger, more sophisticated monitoring systems** that are intended for critical turbomachinery like the 3500 Series. The 1900/65A features support for RTD temperature sensors, inexpensive online installation via 232 or 485 connectors, trip multiply functionality to reduce unwanted machine trips and flexible dynamic channels that can be easily configured for speed, position or vibration.

Applications include cooling tower fans, pumps, fans, blowers, motors, pulverizers, centrifuges, mixers, agitators, air compressors, small reciprocating compressors, small electric motors, and small hydro turbines as well as other equipment.

Examples of 1900/65A Limited Time Promotion Package

configurations:

- single sensor on four pumps or fans
- single sensor on each bearing of two pumps
- single sensor on the driven load (pump/fan/etc.) and a single sensor on the driver (motor)

These are simple illustrations of the many application possibilities.

The extremely low cost per channel pricing allows applications that do not use all four channels to remain attractive, and the unused cables and sensors can be used as spares.

### Installation Work Scope

A professional installation is essential to obtain the best value of any monitoring and protection system, as it provides an assurance of the validity of the monitored parameters. The easiest, most cost-effective manner to achieve this is to rely on Bently Nevada\* Services for the system installation, configuration, verification, integration and support of the 1900/65A. The scope of work may include:

- Survey of the area for environmental restrictions and of the machines to determine optimal mounting points and required craft labor estimates for Turnkey installations.
- System-wide documentation and pre-construction packages including transducer selection, requirements for preparation of the surfaces and mounting, overview of installation of conduit and junction boxes.
- Execution of the above, with detailed documentation of loop checks and verification of protection relays and recorder outputs.
- Training on required maintenance and 24/7 technical support.



## The Accel Package and Velomitor Package contents are shown below.

(Part numbers are in parentheses)

Accel Package (1900/65a_ACCEL)	Velomitor Package (1900/65a_VELOM)
1900/65A** (1900/65A-01-01-03-01-01)	1900/65A** (1900/65A-01-01-03-01-01)
Attached Display (included in 1900/65A p/n)	Attached Display (included in 1900/65A p/n)
Modbus (included in 1900/65A p/n)	Modbus (included in 1900/65A p/n)
Accels – Quantity: 4 (200350)	Velomitores – Quantity: 4 (330500)
Transducer Cables (10m or longer) – Quantity: 4	Transducer Cables (10 m or longer) – Quantity: 4
Power Supply (included in 1900/65A p/n)	Power Supply (included in 1900/65A p/n)
Enclosure (included in 1900/65A p/n)	Enclosure (included in 1900/65A p/n)
Software CD	Software CD
Manual (173400-01)	Manual (173400-01)

\*\*p/n Options include AC power supply, attached display, enclosure, approvals, and Modbus.



For additional information, please contact your local GE Representative, visit [www.ge-mcs.com/bently](http://www.ge-mcs.com/bently).

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