

ProBatch™ P1Series™



ProBatch™ P1Series™ Automation System - dry Batch configuration

The ProBatch™ P1Series™ concrete automation system is an excellent choice for most producers. Designed to provide automation control for the typical ready mix plant, the P1Series™ is an economical system that is a perfect fit for both ready mix producers and pavers alike. Due to its rugged design and state of the art components, one can be assured that the investment made today will last well into the future. And if additional functionality becomes an issue, the P1Series™ system has a compatible upgrade path with our top of the line IntelliSeries™ system. This level of compatibility provides peace of mind should one's plant require its expanded capabilities at a later date.

Each system can control up to:

P1Series™	P1XSeries™
4 Aggregates	6 Aggregates
3 Cements	4 Cements
5 Admixes	6 Admixes
2 Waters	3 Waters

Software Compatibility

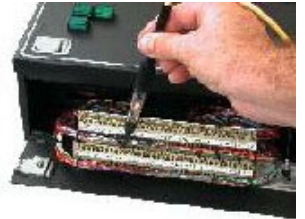
Every system in the ProBatch™ family, including the P1Series™, G9Series™ and IntelliSeries™, uses batchWare™ which is our Windows® based batching software. With batchWare™, choosing the right automation system is simply a matter of matching hardware functionality to the plant. batchWare™ allows a P1Series™ system to take advantage of a very large variety of available features and options to meet the needs of the most demanding producer.

Digital Counter

For those plants using metered admixtures and/or metered water for batching, the P1Series™ manual panel provides a single display to show the quantity (in pulses) of the material being dispensed by these devices. A selector switch helps determine which admix or water is currently being displayed. Whether batching in automatic or manual, the display or "counter board" provides a full manual backup.

Serviceability

The P1Series™ system has been engineered with ease of service in mind should the system require it. Every effort has been made to ensure that our service technician can diagnose the problem fast. The lid of the P1Series™ system opens conveniently to the side allowing maximum access to all of the internal components. Should the need arise, a test probe is available allowing a service technician to aid the plant operator in



isolating system and plant electrical issues. Each switch is mounted in the panel and then plugged into a wiring harness. This allows a switch to be replaced in minutes by simply unplugging it and plugging a new switch in its place without any soldering required.

Workstation

All ProBatch™ systems utilise a computer workstation that is specially designed to withstand the harsh environment normally associated with the concrete industry. It has a dust filter that is easily accessible on the front of the enclosure to keep the system clean and four internal fans for maximum cooling. Every system is assembled using the highest quality components from companies like Intel®, 3Com®, Seagate® and Microsoft®. Because we specify every component used in a ProBatch™ system, we are able to maintain a high level of reliability and standardisation. This allows our service technicians to provide batch plant personnel answers fast, thereby providing better customer service. Specifications for the ProBatch™ workstation are listed overleaf.

Central Mix Capability

The ProBatch™ P1Series™ is capable of controlling a single mixer central mix plant with the optional central mix package. Its large integrated slump meter keeps all controls at the plant operators finger tips for easy operation



ProBatch™ P1Series™

MANUAL PANEL



- Heavy duty steel construction with easy side access
- Rugged rocker switches in standard colour coded sections for easy material / function identification
- Integrated manual panel / component design reduces office space requirements.
- Simple solderless design for easy replacement of damaged components.
- Terminalised points for every function in the system.
- Test probe for easy trouble shooting.
- Quick disconnect connectors on all cabling.
- Single selectable admix / water counter for manual operation.
- 110v switch design.

WORKSTATION

- Heavy duty metal case with 4 cooling fans.
- Dust resistant design with easy to change filter on the front of the case.
- Intel® Pentium® IV Processor or better.
- 256MB RAM
- 30GB 7200 RPM Hard Drive.
- 48xCDROM
- 3.5 Floppy Drive
- Iomega 250 MB Zip Drive for backup / export.
- 64MB AGP Graphics adapter or better.
- High quality sound.
- Optional 10/100 Network interface card.
- Optional 56K Modem.
- High quality 17" Colour Monitor with integral speakers.
- Heavy duty keyboard with protective cover.
- Dust resistant mouse



SOFTWARE

The ProBatch™ P1 Series™ system uses batchware™, the Windows® based batching software, used by all of the ProBatch™ family of concrete automation systems. Please refer to the brochure on batchware™ for further information.

OPTIONAL ACCESSORIES

Hydronix Hydroprobe II moisture probe



OKI Data 320 Turbo Printer

15" or 17" Flat Panel Display



19" CRT Monitor

Remote Diagnostics with Modem



Network Interface Card

PHYSICAL SPECIFICATIONS

- Manual Control Panel 565mmW x 225mmH x 425mmD
- Work Station (Tower) 85mmW x 425mmH x 550mmD
- Work Station (Desk Top) 425mmw x 175mmH x 550mmD
- Monitor (Standard 17") 400mmw x 425mmH x 425mmD
- Power requirements 110VAC or 240VAC
50Hz or 60Hz
- Operating Temperature 4 - 32°C