USYS 100 Universal Processor/Controller for ZUMBACH Diameter Gauges, single gauge application, two RS-ports

Now with complete SPC/SQC capability and Sigma Expert[™] control system



USYS 100 is a HI-Tech, Industrial Diameter Data Acquisition System with a Human Touch.

The Universal USYS 100 features real-time, multi-tasking data processing and control. USYS accepts measurements from a broad line of ZUMBACH gauges covering a diameter or width range from 0.01 mm (.0004 in) to 318 mm (12.5 in.) and above with selectable resolution to 0.0001 mm (.000005 in.).

HI-TECH

- Real-time, multi-tasking system
- Computer networking / data security
- Permanent calibration
- Sigma ExpertTM Control system

INDUSTRIAL

- Rugged sealed control panel
- Real-time data collection

HUMAN TOUCH

- Easy to use
- 10 direct-access keys = speedy operation (4 keys are user programmable)

- Measures, displays, monitors, controls, collects SPC data, prints reel-end reports (SQC) and communicates with a host computer: ALL AT THE SAME TIME - WITHOUT MISSING A BEAT!
- USYS is equipped with two RS-232 ports ready for advanced factory networking including ZUMBACH PC-LINK. Ports are addressable and may be configured for RS-485. Multiple security levels prevent tampering.
- ODAC/USYS does not drift; no recalibration required.
- Smart SPC enhanced closed-loop control optimizes product dimensions while CpK pilot option maximizes material savings.
- Protects the electronics from dust, fumes and moisture.
- Every event (tolerance alarm, spark failure etc.) is registered and reported on the real-time and reel-end printouts.
- Well structured intuitive menus, commands and prompts in 5 languages.
- These keys provide quick access to functions like "controller on/off", "menu", "product table", etc.

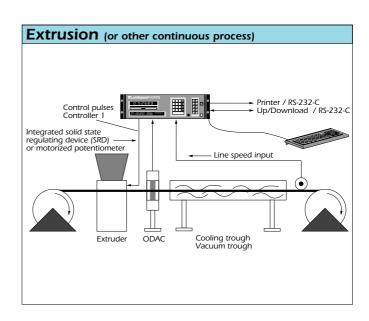
STANDARD CONFIGURATIONS

USYS 100A-01B-A (EXTRUSION)

Monitoring, controlling with solid state regulating device (SRD) or increase/decrease opto-coupler outputs, event/data logging (LOG), and package summary (SOC) data acquisition and reporting

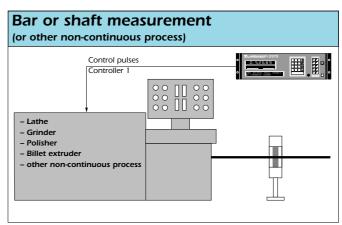
USYS 100A-01B-D (EXTRUSION with SPC)

Monitoring, controlling with solid state regulating device (SRD) or increase/decrease opto-coupler outputs, event/data logging (LOG), and package summary (SQC) data acquisition and reporting, and SPC data acquisition with real-time trend analysis

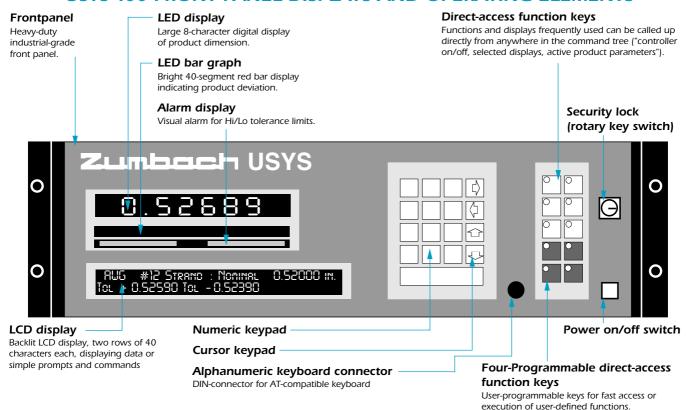


USYS 100A-01B-B (BAR/SHAFT)

Monitoring, controlling with increase/decrease relay outputs, event/data logging (LOG), and package summary (SOC) and comprehensive SPC data acquisition and reporting

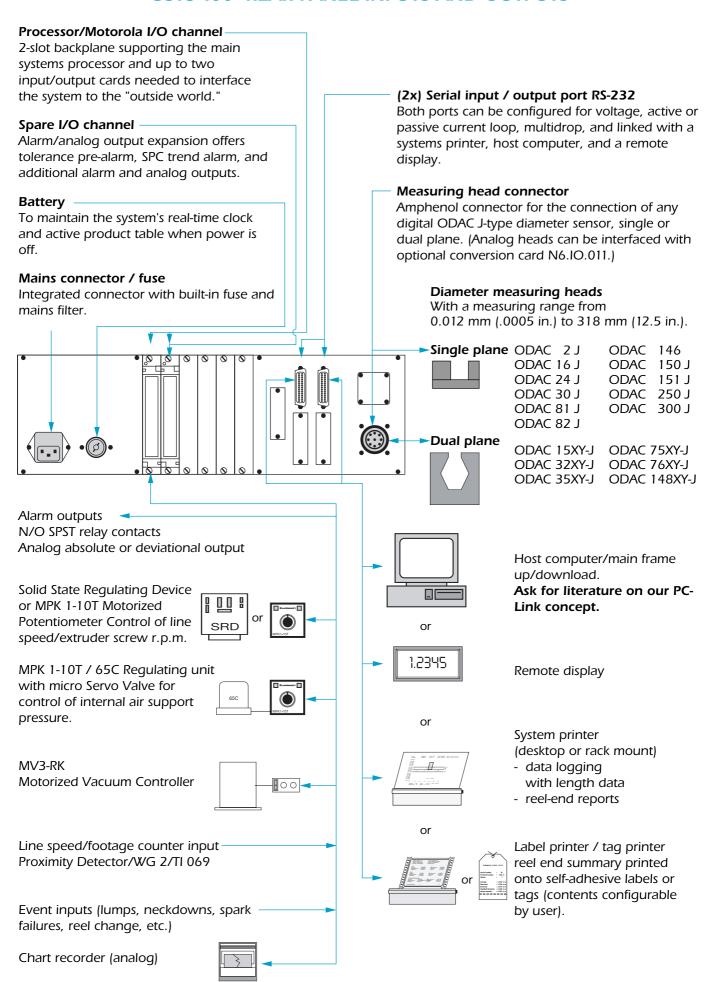


USYS 100 FRONT PANEL DISPLAYS AND OPERATING ELEMENTS



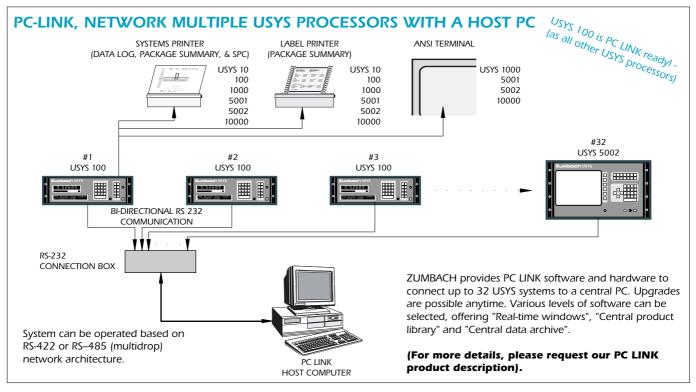
SYSTEMS OVERVIEW

USYS 100 REAR PANEL INPUTS AND OUTPUTS



USYS - the diameter monitoring and control systems operators love:

easy to use - dependable - smart



COMPREHENSIVE SPC/SQC DATA ACQUISITION



- USYS 100 generates QC records as per your requirements
- Reel end reports (Package summary) printed onto tags or labels
- Full SPC charts with trend alarm (real-time display on terminal and/or

SMART CLOSED LOOP CONTROL SYSTEM

SIGMA EXPERT™ with "CpK PILOT" function

USYS 100 features the continuously self tuning SIGMA EXPERT controller with SPC enhanced algorithms.

The "CpK PILOT" option will maximize material savings while assuring adherence to the pre-set quality level (CpK).

SPECIFICATIONS

90 - 127 or 180 - 254 V AC (selectable), 50/60 Hz, max. 200 VA

Weight

Operating temperature

0 - 50°C (32 - 120°F) Approx. 11.5 kg (25 lbs)

DIMENSIONS 280* | | 11.02| 483 (19.00) Dimensions: mm (inch) *Allow additional space of 3.5 in. for connectors.

OPTIONS AND ACCESSORIES

- Case for 19 in. chasis
 - Floor stand cabinet
- Remote alarm panel
- Alphanumeric keyboard
- ANSI video display
- Systems printer
- Label / tag printer

Represented by	/ :		

Subject to change without notice

Schweiz (Hauptsitz) **ZUMBACH Electronic AG** Postfach

CH-2552 Orpund Tel. +41 (0)32 356 04 00 Fax +41 (0)32 356 04 30 E-mail: sales@zumbach.ch **ZUMBACH Electronics Corp.** 140 Kisco Avenue Mount Kisco, NY 10549-1412

Phone ++1 914 241 7080 ++1 914 241 7096 E-mail: sales@zumbach.com

Other ZUMBACH companies in Argentina, Belgium, China, France, Germany, Great Britain, India, Italy, Spain, Switzerland and Taiwan, plus representatives in more than 40 countries.

Website: www.zumbach.com