USYS IPC

The Powerful and Cost-Effective Data Acquisition and Processing System

Modular Industrial PC Solution with Embedded Systems Architecture for Flexible Installation

The USYS IPC hardware provides a modular option in place of the other processor and display units of the USYS family. It offers the flexibility to mount the hardware package in a convenient location while mounting the flat panel touch screen at an optimum viewing angle for the operator.

Software Extensions

USYS Report Manager

Historical storage of all printed reports, trends and SPC. Simple XML viewer for traceability and re-print possibility (ISO 9000 focussed).

USYS Web Server

This optional software enables the display of information from USYS processors at remote terminals. Communicates via LAN. Viewing with an Internet Explorer or other.

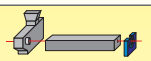
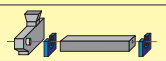
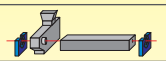
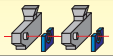
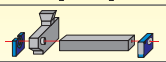
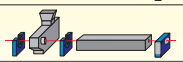
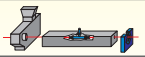
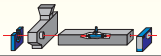
USYS Data Log

Windows™ based software for easy data collection from one or several ZUMBACH processors and for saving the data in text or Excel™ files.

™Windows and Excel are trademarks of Microsoft Corporation

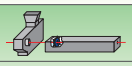
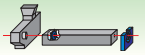
Typical Applications

Wire Insulating Configurations

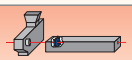
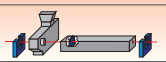
Application (measurement/control)	Line layout	Connectable Gauges			SRD	RS
		ODAC	ODEX	CAPAC		
OD		1	0	0	1	OPT
Dual Loop		2	0	0	1	OPT
Jacketing		2	0	0	1	OPT
OD / Jacketing		2	0	0	2	OPT
ODEX / Eccentricity		0	1	0	1	1
Jacketing / DLP / ECC		2	1	0	1	1
CAP / OD		1	0	1	1	OPT
CAP / OD / ID / ECC		1	1	1	1	1

Legend:
CAP = Capacitance
DLP = Dual Loop
ECC = Eccentricity
ID = Inside Diameter
OD = Outside Diameter
OPT = Option
RS = Serial interface
SRD = Static Regulating Device (controller)

Tubing Configurations

Application (measurement/control)	Line layout	ODAC	UMAC		SRD	RS
Wall		0	1		1	1
ID / OD / Wall (Basic)		1	1		1	1

Cable Configurations

Application (measurement/control)	Line layout	ODAC	UMAC		SRD	RS
Wall		0	1		1	1
Jacketing / Wall		2	1		1	1

Basic Hardware Components

USYS IPC 2 or USYS IPC 8 Processor Unit

Industrial PC 19" rack mount version. Front panel provides power On/Off switch, keyboard and USB connector. USB, RS connectors, IO ports, Ethernet, screen connector and more are provided on the rear.

USYS IPC 2, 4 HU*

USYS IPC 8, 6 HU*

* 1 HU = Height Unit = 44.45 mm (1.75 in.)

19" Touch Screen

Rack mountable display unit for convenient installation into existing 19" rack (8 HU* or extruder panel.

Gauges

Depending on the configuration, virtually any sensor or a combination of different sensors can be connected.

► Ask for detailed information about the different measurement systems from Zumbach for diameter, ovality, wall thickness, eccentricity/concentricity, surface faults, capacitance.

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• Technical specifications are subject to change without notice

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