

# 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

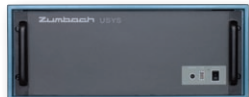
Application (measurement/control)	Line layout	ODAC	UMAC		SRD	RS
Wall		0	1		1	1
Jacketing/Wall		2	1		1	1

## Basic Hardware Components

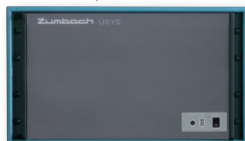
### USYS IPC 2 or USYS IPC 8 Processor Unit

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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[www.zumbach.com](http://www.zumbach.com)

• Technical specifications are subject to change without notice