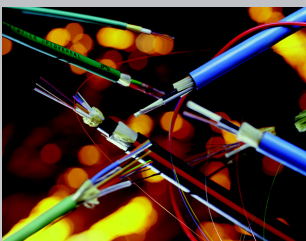
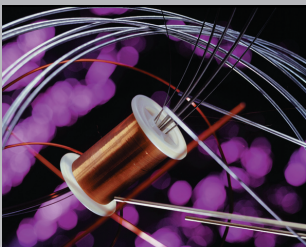


WIREMASTER



Economic In-Line Diameter and Capacitance Measuring and Monitoring Systems

- Wire drawing, data and communication cables
- Diameter/ovality or capacitance display
- Compact
- Single and dual (XY) plane measurement
- Top accuracy
- Computer networking
- EVS software (Electronic Vibration Suppression)
- Reel statistics

WIREMASTER

WIREMASTER stands for an **extremely compact and economic** display and monitoring system, which has been developed specifically for wire drawing and similar applications. The electronic unit with display is contained in a robust aluminum box. In conjunction with the appropriate measuring heads of the **ODAC®** series, ZUMBACH offers ideal systems for monitoring of diameter, ovality, wire breaks etc. Capacitance measuring systems of the series **CAPAC® HS-J** can also be connected. All important values can be evaluated statistically. Multiple **WIREMASTER** units can be linked through serial connections and connected to a host computer.

Main Data

- Concise 6-digit LED-display
- LED-bar display for graphic indication of ovality etc.
- Statistical function
- 5 Tolerance limits with independent thresholds
- Analog and relay outputs
- Length detector input (acquisition of length data)
- Digital inputs (control of statistical functions)
- Serial interface for printer **or** computer networking
- Easy operation

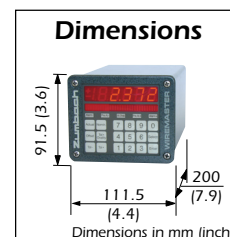
Computer Networking

WIREMASTER can be networked easily through the serial port (RS-232, /-422 or /-485).

Easy Fixation

The WIREMASTER box can, thanks to **joint clamps** (option), quickly and easily be fastened to:

- walls
- tables
- existing floor stands etc.



ODAC® Diameter Measuring Heads

1 axis models	Measuring field mm	Measuring field inch	Min. object Ø mm	Min. object Ø inch
ODAC 2J	2	.079	0.012	.0005
ODAC 16J	16	.630	0.05	.002
ODAC 30J	32	1.26	0.2	.008
ODAC 82J	84	3.31	0.25	.01
ODAC 151J	150	5.91	0.5	.02
ODAC 310J	310	12.2	1	.04

► Ask for detailed specification sheets of individual ODAC® measuring heads.

2 axis models	Measuring field mm	Measuring field inch	Min. object Ø mm	Min. object Ø inch
ODAC 15XY-JM	3 x 3	.12 x .12	0.015	.0006
ODAC 15XY-J	16 x 16	.64 x .64	0.04	.0016
ODAC 18XY-J	18 x 18	.71 x .71	0.08	.003
ODAC 34XY-J	34 x 34	1.34 x 1.34	0.15	.006
ODAC 64XY-J	64 x 64	2.52 x 2.52	0.25	.01
ODAC 76XY-J	78 x 78	3.07 x 3.07	0.2	.008
ODAC 152XY-J	150 x 150	5.9 x 5.9	0.5	.02

CAPAC® HS-J / MR Capacitance Measuring Systems

Measuring tubes	Max. cable Ø	Electronic units
MR.12.xxHS/HSD	8 mm	.32 in.
MR.12.100C/CD	8 mm	.32 in.
MR.20.50.HS	13 mm	.52 in.
MR.20.200C	13 mm	.52 in.
MR.36.xxHS	24 mm	.95 in.
MR.36.200C	24 mm	.95 in.
MR.68.xxHS	45 mm	1.80 in.
MR.68.200C	45 mm	1.80 in.
xx -> active measuring length, 10 or 50 mm (.39 or 1.97 in.)		* = all versions (AA, AI, PA, PI)

► Ask for detailed specification sheets of CAPAC® measuring systems.

Greatly Resistant to Harsh Environment

Wire Drawing is a difficult environment for optical gauging, in particular when dry lubrication (soap powder) is used. In order to minimize the cleaning interval, ZUMBACH offers a special "Pressurized Dust Guard" (for ODAC® 15XY and 18XY models). The guard consists of a block with an aerodynamically optimized labyrinth and two wire eyelets with ceramic inserts. Clean, compressed air is necessary to feed the guard. The complete block can be quickly snapped-in or out of the standard measuring head. The ceramic inserts must be selected according to the wire diameter range.



Typical Applications

- Fine wire
- Steelcord
- Copper wire
- Aluminium wire
- Tungsten wire
- Magnet wire
- Specialty wire

▪ Technical specifications are subject to change without notice

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