OZONE WATER ANALYZER
SERIES TIZ

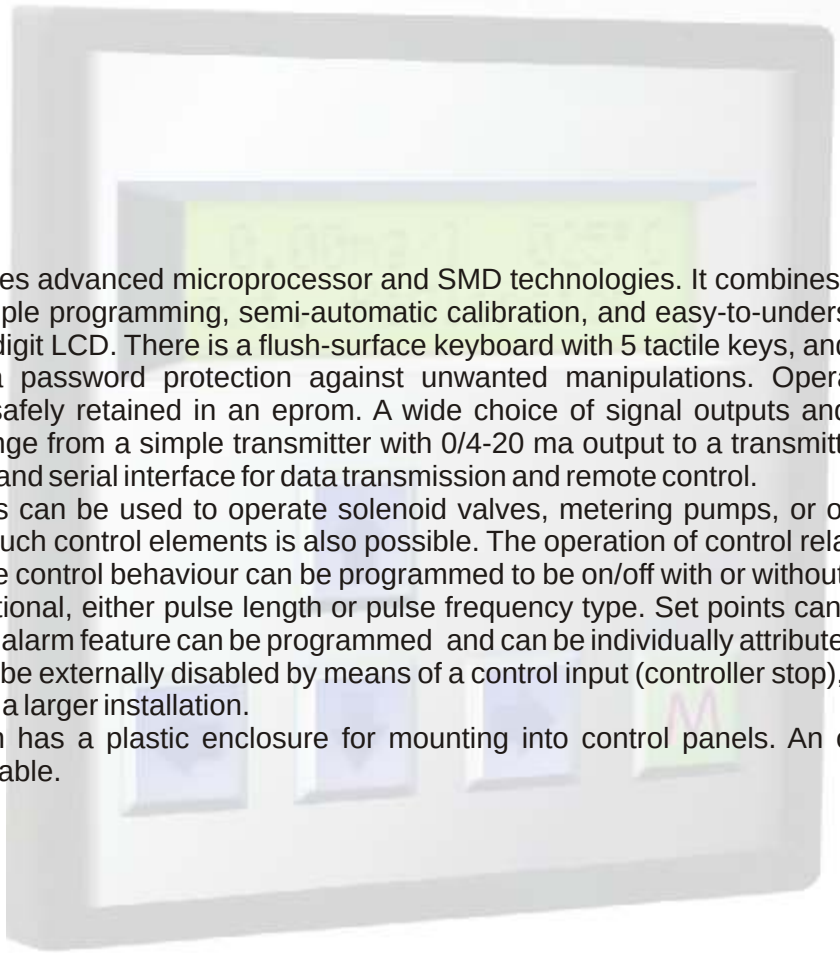
ANSEROS
MONITOR
TIZ

APPLICATION

In conjunction with the appropriate sensors; the microprocessor-based instrument model TIZ-OEM provides measurement, display, and control of dissolved ozone in water. The measuring principle adopted is potentiostatic amperometry.

Appropriate sensors are either flow-through type open-electrode, or immersion type membrane-covered versions, with or without integrated temperature probes. The instrument has been specifically designed for use with the openelectrode sensors or with the membrane-covered sensors, which all come with integrated potentiostats and three electrodes.

- Drinking water
- Waste water treatment plants
- Fish and shrimp ponds
- Food and drink industry
- Swimming pools
- Process control

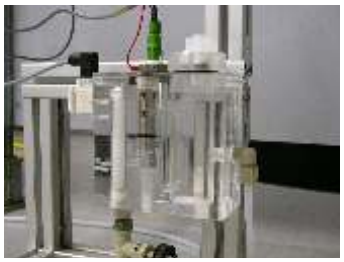


DESCRIPTION

The instrument features advanced microprocessor and SMD technologies. It combines superior reliability and performance with simple programming, semi-automatic calibration, and easy-to-understand handling. Values are displayed on a 4-digit LCD. There is a flush-surface keyboard with 5 tactile keys, and a led column function indicator. There is a password protection against unwanted manipulations. Operating parameters and calibration data are safely retained in an eprom. A wide choice of signal outputs and control functions are available. Options range from a simple transmitter with 0/4-20 ma output to a transmitter/controller with 2 set points, alarm feature, and serial interface for data transmission and remote control.
The controller outputs can be used to operate solenoid valves, metering pumps, or other automatic valves. Manual operation of such control elements is also possible. The operation of control relays is indicated byLlED on the front panel. The control behaviour can be programmed to be on/off with or without adjustable hysteresis, or to be quasi-proportional, either pulse length or pulse frequency type. Set points can be programmed to be either high or low. The alarm feature can be programmed and can be individually attributed to the set-points. The controller section can be externally disabled by means of a control input (controller stop), for applications where the TIZ-OEM is part of a larger installation.
The standard version has a plastic enclosure for mounting into control panels. An optional wall-mounting enclosure is also available.

TECHNICAL DATA

POWER REQUIREMENTS	**24/130/230 V, + 6%, -10 %, 40 ... 60 Hz**	**POWER CONSUMPTION**	**10 VA**
AMBIENT TEMPERATURE	0 ... 50° C	REL. HUMIDITY	max. 90% at 40° C (non-condensing)
WEIGHT	0.8 kg (1.7 kg with wall-mounting enclosure)	CONNECTIONS	push-screw terminals
MEASURING RANGES	0 ... 1 / 5 / 10 / 20 mg/l O_3 dependent on sensor used	RESOLUTION	0.5 mV
CONTROL INPUT	24 V DC (controller stop)	ANALOGUE OUTPUT	0 ... 20 mA or 4 ... 20 mA, galvanically isolated
LOAD	max. 400 Ohm	RELAY OUTPUTS (OPTIONAL)	max. 3 relays for SP 1, SP 2, alarm potential-free SPDT contacts, rated 250 V, 6 A, max. 550 VA
SERIAL INTERFACE (OPTIONAL)	RS 485, 9600 Baud Data format 8 bit, no parity, 1 start-bit, 1 stop-bit		



MODEL DESCRIPTION

TIZ-OEM Transmitter indicating and recording output with integrated controller (2 set-points plus alarm)

Options
Serial interface RS 485
Front door (front protection class IP 55 / NEMA 4)
Plastic front cover
Wall-mounting enclosure

DISTRIBUTOR

MANUFACTURER

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Specifications subject to change without notice