

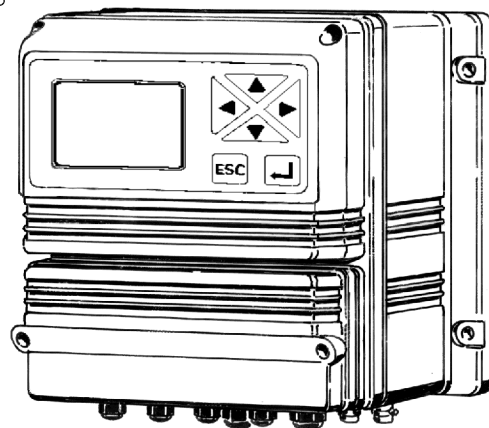
"LDTORB" series CONTROL INSTRUMENTS "LDTORB"

Data Sheet

FEATURES

- LCD graphic display with backlight
- Two on/off outputs
- Two digital proportional outputs
- Minum / Maximum reading alarm
- Functions displayed: temperature (n/a probe), date, time and probe reading
- Probe-cleaning output
- Pulse sender water meter input
- Permanent data recording
- Stand-by
- Serial output for modem / printer
- SMS Service with optional GSM modem
- Programmable output: conductivity $0/4 \div 20\text{mA}$ and temperature $0/4 \div 20\text{mA}$
- Two tanks level input
- Flow sensor input
- Probe input
- Password protected access

Microprocessor digital Turbidity controller.
Hysteresis control.
On/Off and Digital Proportional operating modes.



ELECTRICAL

INPUT SIGNAL

with block connection

POWER SUPPLY

$90 \div 240 \text{ VAC}$; 50/60 Hz

$9 \div 30 \text{ VDC}$

AVERAGE CONSUMPTION

Average 10 W

ON/OFF OUTPUT

2 relays; 5A @ 230 VAC (fuse protected)

PROPORTIONAL OUTPUT

Pulse output signal, open collector

$0 \div 250$ pulses per minute

ALARM OUTPUT

Free voltage contact (fuse protected)

PROBE CLEANING OUTPUT

1 relay; 5A @ 230 VAC (fuse protected)

CURRENT OUTPUT

2 galvanic isolated. Programmable $0/4 \div 20\text{mA}$ (reading and temperature)

Maximum Load 400 Ω

CHEMICAL TANK INPUT

2 contact inputs

STAND-BY INPUT

1 contact input

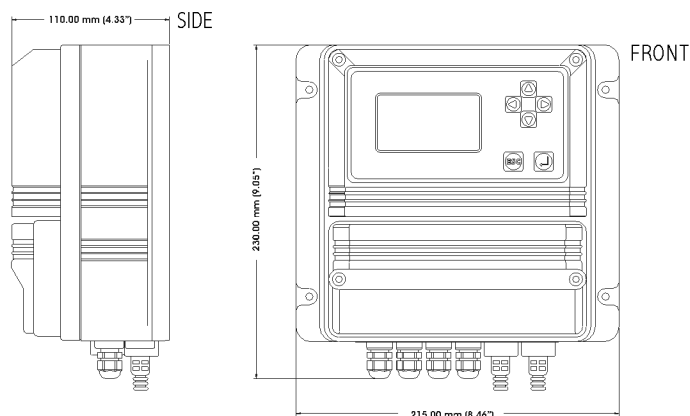
DATA OUTPUT

1 serial output for RS232 printer or RS485

"LDTORB series CONTROL INSTRUMENTS "LDTORBM"

Data Sheet

DIMENSIONS



ENCLOSURE

IP65 enclosure (NEMA4x)

LDTORB control instruments are manufactured in ABS housing to ensure protection against aggressive chemicals and tough environment.

ENVIRONMENT

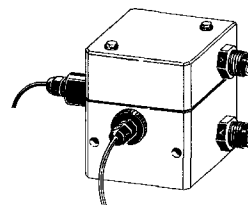
0°C ÷ 50°C (32°F ÷ 122°F)

0 ÷ 95% (non condensing) relative humidity

TURBIDITY SENSOR TORB

0 ÷ 40 NTU

Resolution	0.01 NTU
Repeatability	± 1% at 25°C
Linearity	better than 1%
Zero offset	± 3mV (5 ÷ 50°C)
Calibration	Factory calibrated
Operating temp.	5°C ÷ 50°C
Storage temp.	-20°C ÷ 50°C
Wipe time	-
Depth rating	-



TURBIDITY SENSOR TORBM

0 ÷ 100 NTU

0 ÷ 400 NTU

0 ÷ 1000 NTU

Resolution	0.1 NTU	0.1 NTU	1 NTU
Repeatability	± 1% at 25°C	± 1% at 25°C	± 2% at 25°C
Linearity	better than 1%	better than 1%	better than 5%
Zero offset	± 3mV (0 ÷ 40°C)	± 3mV (0 ÷ 40°C)	± 3mV (0 ÷ 40°C)
Calibration	Factory calibrated	Factory calibrated	Factory calibrated
Operating temp.	5°C ÷ 50°C	5°C ÷ 50°C	5°C ÷ 50°C
Storage temp.	-20°C ÷ 50°C	-20°C ÷ 50°C	-20°C ÷ 50°C
Wipe time	8 seconds nominal	8 seconds nominal	8 seconds nominal
Depth rating	100m (330ft) SS housing only	100m (330ft) SS housing only	100m (330ft) SS housing only

