

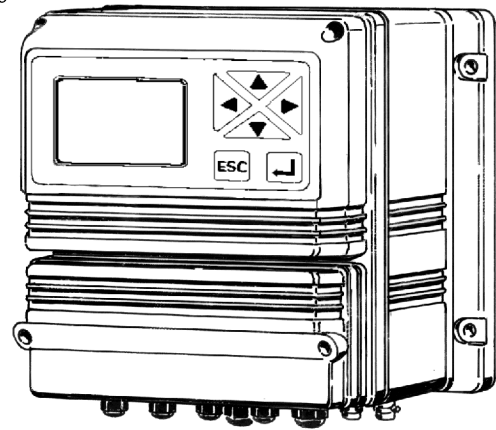
# “LDTORB” series CONTROL INSTRUMENTS “LDTORB”

## 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 ÷ 20mA and temperature 0/4 ÷ 20mA
- 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 ÷ 240 VAC; 50/60 Hz

9 ÷ 30VDC

#### AVERAGE CONSUMPTION

Average 10 W

#### ON/OFF OUTPUT

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

#### PROPORTIONAL OUTPUT

Pulse output signal, open collector

0 ÷ 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 ÷ 20mA (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



ISO 9001 certified

1365 Piper Road  
Ashby, MA 01431

1-800-998-EMEC (3632)  
1-978-386-0000

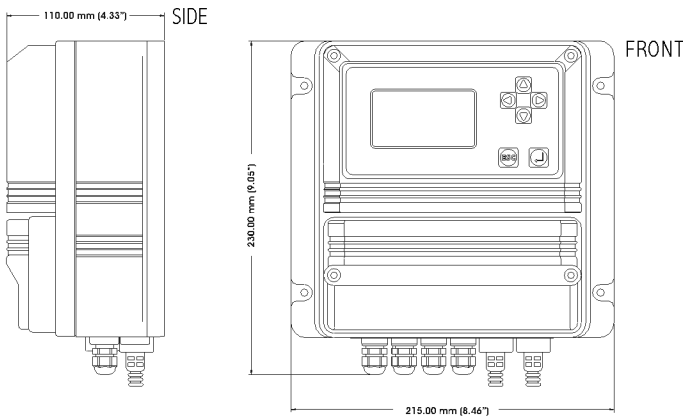
Fax 1-978-386-0002  
www.emecpumps.com

Specifications subject to change without notice.  
USA R2-01-07

# "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.

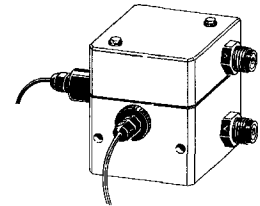
### ENVIRONMENT

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 (41°F ÷ 122°F)
Calibration	Factory calibrated
Operating temp.	41°F ÷ 122°F
Storage temp.	-4°F ÷ 122°F
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 (32°F ÷ 104°F)	± 3mV (32°F ÷ 104°F)	± 3mV (32°F ÷ 104°F)
Calibration	Factory calibrated	Factory calibrated	Factory calibrated
Operating temp.	41°F ÷ 122°F	41°F ÷ 122°F	41°F ÷ 122°F
Storage temp.	-4°F ÷ 122°C	-4°F ÷ 122°C	-4°F ÷ 122°C
Wipe time	8 seconds nominal	8 seconds nominal	8 seconds nominal
Depth rating	330ft SS housing only	330ft SS housing only	330ft SS housing only



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