

## SINGLE READING DIGITAL SYSTEM

Digital controllers for measurement and control of a single parameter, with temperature reading (° C or ° F).

An accurate design has allowed to build on a series of instrument easy to program.

LDS and LDS PLUS series are controlled by an "ENCODER".

Working mode can be set:

- on / off
- pulse proportional \*
- proportional PWM \*
- fixed PWM \*
- PID (only on LDS PLUS).

Instruments connected in a network (up to 31 instruments) can be remotely controlled.

Combined with probes and probe holders, they can be assembled on panels to have a complete turnkey control system.

\* not on LDSTORBH.

**REMOTE CONTROL**

Remote control is available with ETHERNET or GSM/GPRS configurations.

Remote control via: [www.ermes-server.com](http://www.ermes-server.com).

**SOFTWARE**

English and French software available. Ask for Deutsch.

**CUSTOMIZATION**

Instruments can be customized with client logo on frontal panel.

**STAND-BY AND FLOW CONTROL INPUT****PERMANENT DATA STORAGE (WITHOUT BATTERY)**

System log on display.

**AUTOMATIC TEMPERATURE COMPENSATION**

With PT100 temperature probe.

**DELAY**

Programmable delay at dosing start-up (up to 60 minutes).

**ALARMS**

Alarms for: damaged probe; max dosage, flow, threshold, level (double level on LDS PLUS).

**DISPLAY**

Probe readings, alarms notification, network status (Ethernet; USB, GSM/GPRS) are shown on display.

**PROBE READOUT MENU****mA OUTPUT**

As option.

**ONLY FOR LDS PLUS****PROBE CLEANING**

To obtain reliable results it is possible to connect a cleaning system, for example a probe cleaning system.

**CIRCULATION PUMP**

This function allows to supply a water circulation pump into the intake pipeline, increasing pressure.

**MODBUS**

Modbus is a serial communication protocol for connecting instruments to other devices on RS485 network.

**mA WATER METER INPUT**

As option.

**ALARM RELAIS**

230 VAC output alarm.

**DOUBLE SETPOINT**

Relais set for 2 setpoint.

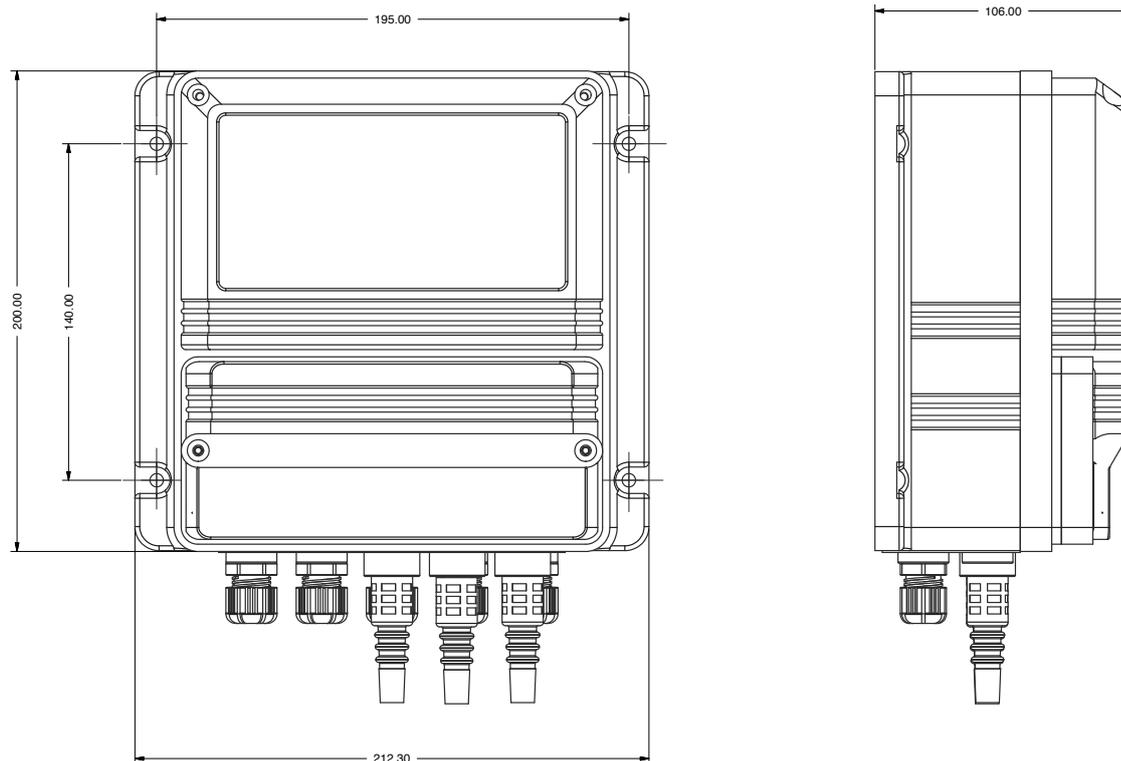
**mA OUTPUT**

## SINGLE READING DIGITAL SYSTEM

### MODELS

STANDARD	PLUS	PARAMETER
LDSPH	LDSPH PLUS	pH
LDSRH	LDSRH PLUS	ORP
LDSCL	LDSCL PLUS	Chlorine (chlorine measure based on the probe)
LDSCD	LDSCD PLUS	Conductivity
LDSCDIND	LDSCDIND PLUS	Inductive conductivity (ECDINDPT probe)
LDSTORBH	LDSTORBH PLUS	Turbidity (ETORBH probe)
LDSTORB	LDSTORB PLUS	Turbidity (ETORB probe)
LDSDO	LDSDO PLUS	Dissolved Oxygen (EOLUM probe)
LDSTRC	LDSTRC PLUS	Tracers (ETRC probe)

### DIMENSIONS mm



## SINGLE READING DIGITAL SYSTEM

## LDSPH - LDSPH PLUS

	LDSPH	LDSPH PLUS
MEASURING PARAMETER	pH	
RANGE	0-14 pH; resolution: 0,01	
TEMPERATURE COMPENSATION	PT100	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow pH level pH probe Temperature probe	Stand-by Flow pH level pH probe Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	1 relay output (pH) 1 Opto coupled output (pH) 2 mA output (pH & Temperature) <sup>1</sup> Alarm output (relay)	2 relay output (pH) 2 Opto coupled output (pH) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (pH & Temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

<sup>1</sup> On request<sup>2</sup> For configuration features refer to the table at the end of the document.

## SINGLE READING DIGITAL SYSTEM

## LDSRH - LDSRH PLUS

	LDSRH	LDSRH PLUS
MEASURING PARAMETER	ORP	
RANGE	0-1000 mV; resolution: 0,1	
TEMPERATURE COMPENSATION	/	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow ORP level ORP probe Temperature probe	Stand-by Flow ORP level ORP probe Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	1 relay output (ORP) 1 Opto coupled output (ORP) 2 mA output (mV & Temperature) <sup>1</sup> Alarm output (relay)	2 relay output (mV) 2 opto coupled output (mV) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (mV & Temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

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## SINGLE READING DIGITAL SYSTEM

## LDSCL - LDSCL PLUS

	LDSCL	LDSCL PLUS
MEASURING PARAMETER	Chlorine	
RANGE	0-10 mg/l	
TEMPERATURE COMPENSATION	/	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow Chlorine level Chlorine probe Temperature probe	Stand-by Flow Chlorine probe Chlorine level Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	1 relay output (CI) 1 Opto coupled output (CI) 2 mA output (CI & temperature) <sup>1</sup> Alarm output (relay)	2 relay output (CI) 2 opto coupled output (CI) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (CI & temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

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## SINGLE READING DIGITAL SYSTEM

## LDSCD - LDSCD PLUS

	LDSCD	LDSCD PLUS
MEASURING PARAMETER	Conductivity with temperature reading (°C or °F)	
RANGE	0 - 300,0 µS 0 - 3000 µS 0 - 30,00 mS 0 - 300,0 mS	
TEMPERATURE COMPENSATION	PT100	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow Conductivity probe Temperature probe	Stand-by Flow Conductivity probe Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	2 relay output (Conductivity and alarm) 2 mA output (Conductivity and temperature) <sup>1</sup> Alarm output (relay)	2 relay output (Conductivity) 2 opto coupled output (Conductivity) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (Conductivity and temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

<sup>1</sup> On request<sup>2</sup> For configuration features refer to the table at the end of the document.

## SINGLE READING DIGITAL SYSTEM

## LDSCD IND - LDSCD IND PLUS

	LDSCD IND	LDSCD IND PLUS
MEASURING PARAMETER	Inductive conductivity with temperature reading (°C or °F)	
RANGE	0 - 3000 µS 0 - 30,00 mS 0 - 300,0 mS	
TEMPERATURE COMPENSATION	PT100	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow Sonda conducibilità Temperature probe	Stand-by Flow Sonda conducibilità Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	2 relay output (Conductivity and alarm) 2 mA output (Conductivity and temperature) <sup>1</sup> Alarm output (relay)	2 relay output (Conductivity) 2 opto coupled output (Conductivity) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (Conductivity and temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

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## SINGLE READING DIGITAL SYSTEM

## LDSTORBH - LDSTORBH PLUS

	LDSTORBH	LDSTORBH PLUS
MEASURING PARAMETER	Turbidity with temperature reading (°C or °F)	
RANGE	0 - 9,999 NTU 0 - 99,99 NTU 0 - 999,9 NTU 0 - 9999 NTU	
TEMPERATURE COMPENSATION	PT100	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow Turbidity probe Temperature probe	Stand-by Flow Turbidity probe Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	2 relay output (NTU and probe cleaning) 2 mA output (NTU and temperature) <sup>1</sup> Alarm output (relay)	2 relay output (NTU) 2 opto coupled output (NTU) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (NTU and temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

<sup>1</sup> On request<sup>2</sup> For configuration features refer to the table at the end of the document.

## SINGLE READING DIGITAL SYSTEM

## LDSTORB - LDSTORB PLUS

	LDSTORB	LDSTORB PLUS
MEASURING PARAMETER	Turbidity with temperature reading (°C or °F)	
RANGE	0 - 40,00 NTU	
TEMPERATURE COMPENSATION	PT100	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow Turbidity probe Temperature probe	Stand-by Flow Turbidity probe Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	2 relay output (NTU and probe cleaning) 2 mA output (NTU and temperature) <sup>1</sup> Alarm output (relay)	2 relay output (NTU) 2 opto coupled output (NTU) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (NTU and temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

## SINGLE READING DIGITAL SYSTEM

## LSDSO - LSDSO PLUS

	LSDSO	LSDSO PLUS
MEASURING PARAMETER	Dissolved oxygen with temperature reading (°C or °F)	
RANGE	0 - 9,999 mg/l O <sub>2</sub> 0 - 99,99 mg/l O <sub>2</sub> 0 - 999,9 mg/l O <sub>2</sub> 0 - 9999 mg/l O <sub>2</sub>	
TEMPERATURE COMPENSATION	PT100	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow Dissolved oxygen probe Temperature probe	Stand-by Flow Dissolved oxygen probe Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	1 relay output (Dissolved oxygen) 2 mA output (Dissolved oxygen & Temperature) <sup>1</sup> Alarm output (relay)	2 relay output (Dissolved oxygen) 2 opto coupled output (Dissolved oxygen) 1 relay output for probe cleaning 1 relay output for circulating pump 3 mA output (Dissolved oxygen & Temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

<sup>1</sup> On request<sup>2</sup> For configuration features refer to the table at the end of the document.

## SINGLE READING DIGITAL SYSTEM

## LDSTRC - LDSTRC PLUS

	LDSTRC	LDSTRC PLUS
MEASURING PARAMETER	Tracers	
RANGE	0-999.9 ppm; resolution: 0,1 ppm	
TEMPERATURE COMPENSATION	/	
CONTROL	/	PID
INPUT SIGNAL	PCB	
POWER SUPPLY	85-264 VAC; 50/60 Hz	
AVERAGE CONSUMPTION	25 W	
ON/OFF OUTPUT	2 relays; 5A @ 230 VAC (fuse protected)	
ALARM OUTPUT	85-264VAC alarm output	
INPUT	Stand-by Flow Trc level Trc probe Temperature probe	Stand-by Flow Trc level Trc probe Temperature probe Water meter mA water meter <sup>1</sup>
OUTPUT	1 relay output (Trc) 1 Opto coupled output (Trc) 2 mA output (Trc & Temperature) <sup>1</sup> Alarm output (relay)	2 relay output (Trc) 2 opto coupled output (Trc) 1 relay output for probe cleaning 1 relay output for circulating pump 2 mA output (Trc & Temperature, PID) Alarm output (relay)
ENVIRONMENT TEMPERATURE	-10°C ... 50°C (14°F ... 122°F)	
PROTECTION	IP65 - % working RH: 85% with ≤40 °C; 70% at 50 °C (non condensing)	
POLLUTION LEVEL	2	
ENCLOSURE	ABS	
TEST/CERTIFICATION	CE	
DIMENSIONS	refer to the drawing	
WEIGHT	1,45 kg (3.1967 lb)	
INSTALLATION	vertical wall (4 fixing holes)	
OPTIONS <sup>1</sup>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> </ul>	<ul style="list-style-type: none"> <li>• mA output</li> <li>• mA water meter input</li> <li>• 9-18 or 18-36 VDC power supply</li> <li>• ADVANCED USB configuration <sup>2</sup></li> <li>• ETHERNET configuration <sup>2</sup></li> <li>• GSM/GPRS configuration <sup>2</sup></li> <li>• Modbus configuration <sup>2</sup></li> </ul>

## SINGLE READING DIGITAL SYSTEM

## CONFIGURATIONS

INSTRUMENT Configuration	PLUS	WHEN	REQUIREMENTS	FUNCTION
<b>BASIC (standard)</b>	/	For local control only	/	RS485 output to link other EMEC instruments or a PC
<b>ADVANCED USB</b>	USB output	You do not need a PC on your plant: you can download data log on a USB device	/	RS485 output to link other EMEC instruments or a PC Data Log on USB device
<b>ETHERNET</b>	LAN network between instrument and web	Remote control via WEB ERMES	LAN wiring (RJ-45)	RS485 output to link other EMEC instruments or a PC Web ERMES remote control (PC, smartphone or tablet) Alarm messages via email
<b>GSM/GPRS</b>	GPRS modem between instrument and web	Remote control via WEB ERMES	Network coverage	RS485 output to link other EMEC instruments or a PC Web ERMES remote control (PC, smartphone or tablet) Alarm messages via email Alarm messages via SMS
<b>MODBUS</b>	Connection to other devices (PLC) via RS485	PLC plant management	/	PLC connection output for reading and modifying parameters