DI Lights

RESISTIVITY WATER QUALITY INDICATOR LIGHTS AND MOUNTING OPTIONS

DI Light

PVC Inline Body with DI Light

Molded Tank Head with DI Light

SWT's DI Lights *are an economical method of monitoring water quality via resistivity/conductivity/TDS. The bright red or green visual output is easy to read. The monitoring is simple: the green light indicates the water resistivity is above the threshold value; the red light indicates that it is below. The LED output and solid state circuitry will outlast conventional neon lamps.*

NOTE: The DI Light monitor requires the water to be flowing in order to operate correctly.

The DI Light should not be used as the primary indicator for critical or medical applications.

Specifications

Available Thresholds: ..... 10K to 1 megohm-cm
Accuracy: ..... ± 15%
Thread: ..... 1/2" MNPT with o-ring or 3/4" MNPT with o-ring
Weight: ..... 200 g (7.05 oz)
Housing Material: ..... ABS Black
Electrode Material: ..... Monel
Sampling Frequency: ..... 150 Hz
Sampling Voltage: ..... 2.2 V peak at threshold
Supply Voltage: ..... 120 VAC
Supply Frequency: ..... 60 Hz
Output Voltage: ..... 9 VDC
Output Current: ..... 200 mA
Cord Length: ..... 9 feet
Working PSI: ..... 125 psi
Maximum Temperature: ..... 100°F
Max. Power Requirement: ..... < 5 watts
Typical DC Current: ..... 35 mA
Typical Lumen Output: ..... Green 80 mcd
Red 200 mcd

Resistivity (ohm-cm)	Conductivity (µS/cm)	~ TDS ± 15% (ppm)
1 MEG	1	0.5
500K	2	1.0
200K	5	2.5
50K	20	10
20K	50	25
10K	100	50

DI Lights

Part Number	Description	Connection Size
LC-R7031-10K	10K ohm-cm, 120V	1/2" MNPT
LC-R7031-20K	20K ohm-cm, 120V	1/2" MNPT
LC-R7031-50K	50K ohm-cm, 120V	1/2" MNPT
LC-R7031-200K	200K ohm-cm, 120V	1/2" MNPT
LC-R7031-500K	500K ohm-cm, 120V	1/2" MNPT
LC-R7031-1MEG	1 megohm-cm, 120V	1/2" MNPT
LC-R7046-10K	10K ohm-cm, 120V	3/4" MNPT
LC-R7046-20K	20K ohm-cm, 120V	3/4" MNPT
LC-R7046-50K	50K ohm-cm, 120V	3/4" MNPT
LC-R7046-200K	200K ohm-cm, 120V	3/4" MNPT
LC-R7046-500K	500K ohm-cm, 120V	3/4" MNPT
LC-R7046-1MEG	1 megohm-cm, 120V	3/4" MNPT

DI Light Mounts

Part Number	Description	Inlet/Outlet Port Size	DI Light Port Size
LC-MH25875S-75	Molded Tank Head	3/4" FNPT	3/4" FNPT
LC-MH25875S-05	Molded Tank Head	3/4" FNPT	1/2" FNPT
SM-R6000 *	PVC Inline Body *	3/8" FNPT	1/2" FNPT
SM-R6001 *	PVC Inline Body *	1/2" FNPT	1/2" FNPT
SM-R6002 *	PVC Inline Body *	3/4" FNPT	1/2" FNPT
SM-R6003 *	PVC Inline Body *	1" FNPT	1/2" FNPT
SM-R6004 *	PVC Inline Body *	1-1/2" FNPT	1/2" FNPT
LC-R7011	Modified Plastic Tee	3/4" Socket	1/2" FNPT

* Also available in polypropylene (add "-PP" to end of part number) and HDPE (add "-HDPE" to end of part number) and configurations for HY-Lite Resistivity Indicators (call for details).

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MEMBER Water Quality ASSOCIATION

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