

LogR: Quickstart

Parts List:

LogR enclosure on wall-mount backplate.
 Pre-wired LPR Sensor.
 Sensor entry fitting and 3/4" SCH80 PVC 'T' fitting
 Pre-wired 12VDC power supply.
 USB flash drive
 Backplate mounting hardware and international power supply conversion plug set (white box).

Installation:

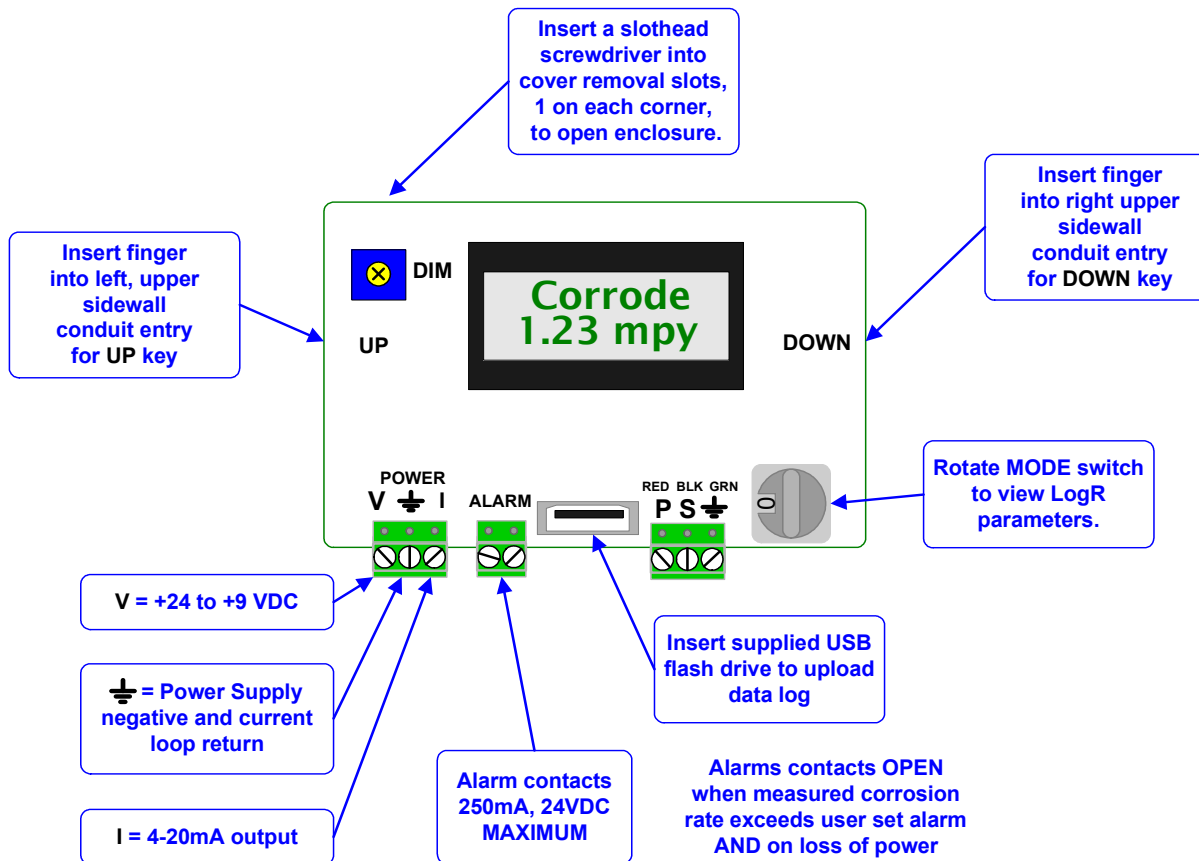
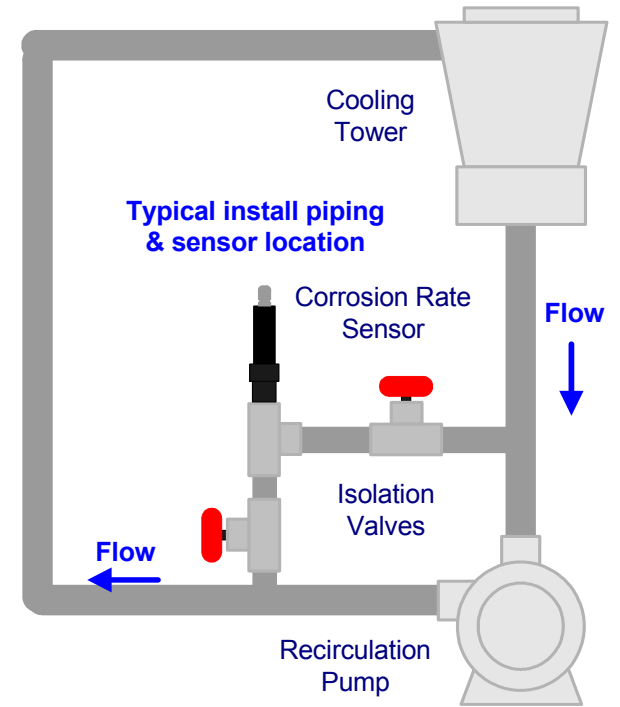
1. Install corrosion rate sensor upstream of chemical injection.
2. Sensor may be installed vertically or horizontally.
3. Ensure differential pressure across installation sample line is sufficient for 1 GPM flow past sensor.
4. Power using pre-wired plug-in power supply or site 9-24VDC power.

Operation:

1. User manual on USB thumb drive included with LogR
2. Corrosion rate updates very 2 1/2 minutes & logs every 5 minutes.

Caution:

1. Do not exceed the 125 psi & 125F sensor installation limits.
2. Do not exceed the 24VDC and 250mA on the alarm contact set.



The LogR has been preconfigured for the installed electrode metallurgy.

Plug in the pre-wired power supply and logging starts.

The 4-20mA current loop will be 4.0mA for the first few minutes until a measure cycle completes.

During this time the alarms contact will be closed because the corrosion rate is 0.0 mpy.

See overleaf for mode switch displays

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Mode switch 0 to 7	Displays	UP/DOWN Scroll
0: Corrosion Rate	Corrode 0.01 mpy Corrode 50.0 mpy	Displays measurement state Updated every 150 seconds, 2 ½ minutes
1: Sensor Type	Steel Sensor Copper Sensor Admrlty Sensor CuNi Sensor Zinc Sensor	Selects sensor electrode metallurgy. Changing Mode with new metallurgy selected changes corrosion rate measurement. Alloy type logged with corrosion rate, pitting index & conductivity
2: Conductivity	Conduct 50 uS Conduct 2542 uS Conduct >9999 uS.	No UP/DOWN response
3: Diagnostic	Update@ 126 sec Anodic 123mV Cathodic 106mV Pitting 3 mpy LogSize 14682 Ser# LA10L091	UP/DOWN scrolls through diagnostic displays
4: Loop Current	Loop 16.74mA Loop 4.00 mA	Adjust 4-20mA loop span if not at 4.00mA. Adjust 4-20mA loop zero if at 4.00mA. Disconnect the sensor for 4.00mA
5: Time & Date	09/28/10 13:29:08	UP moves the underline cursor right DOWN changes the underlined value Pressing UP & DOWN at the same time saves Time-Date changes.
6: Alarm Contacts	Alarm@ 12mpy Alarmed! >12mpy	Adjusts the corrosion rate that opens the alarm contact set OR displays an active alarm
7: Loop Span	20mA = 20 mpy 20mA = 2mpy 20mA = 100 mpy	Adjusts the mpy value at 20mA, the 4-20mA loop span. 2 mpy loop span minimum 100 mpy loop span minimum
0-7: Log Upload User inserts USB thumb drive	USB Drive detected Log Upload 46231 Remove Drive	Overrides display when thumb drive inserted. Auto uploads current log onto USB drive. Counts down logs remaining 'Remove' on upload complete. Press both UP & Down keys to erase log.