

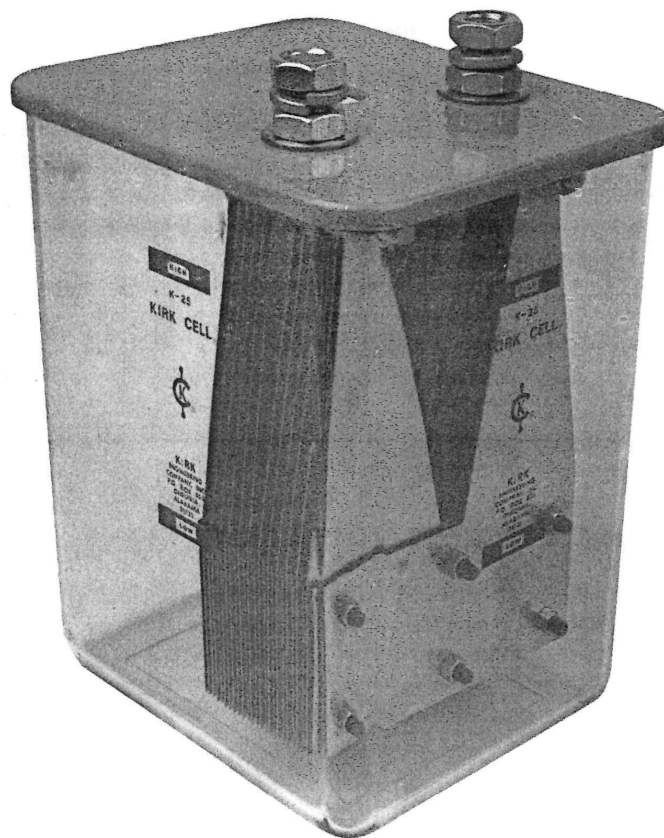


[www.kirkcell.com](http://www.kirkcell.com)



The Kirk Cell is a passive device that is essentially an electrochemical safety switch. The magnitude and direction of the current flow through the Kirk Cell will depend upon the EMF applied across the cell terminals.

As the applied EMF across the cell terminals increases, current flow through the cell will increase in general agreement with the data published on the back of this brochure. Actual current flow will vary with ambient conditions; including but not limited to: temperature, solution concentration and age.



K-25 Kirk Cell®

## K-25 KIRK CELL PERFORMANCE TABLE

<u>Delta E Across Cell Terminals (Volts)</u>	<u>Resultant Current Flow</u>	<u>Apparent Internal Impedance (Ohms)</u>
<b>DIRECT CURRENT DATA</b>		
0.275	100ua	2750
0.47	1ma	470
0.52	2ma	260
0.56	3ma	187
0.58	4ma	145
0.63	5ma	126
0.73	6ma	122
0.79	7ma	113
0.825	8ma	103
0.85	9ma	94
0.88	10ma	88
0.94	15ma	63
1.00	20ma	50
1.08	25ma	43
1.26*	30ma	42
1.55	40ma	39
1.66	50ma	33
1.68	100ma	17
1.72	500ma	3.4
1.76	1A	1.8
1.86	5A	0.37
1.90	10A	0.19

### ALTERNATING CURRENT DATA

0.02	0.5A	0.04
0.04	1A	0.04
0.06	5A	0.01
0.30	10A	0.03

\* Leakage threshold

The Kirk Cell must be vented to the atmosphere but shielded from direct sunlight or rainfall.

The 50 series Enclosures will protect a K-25 Kirk Cell from direct contact with sunlight or rainwater. Refer to the K-50 Kirk Cell brochure for details. One inch conduit knockouts are provided with 50-1 and 50-2 Enclosures. One and one-half inch conduit hubs are provided with the 50-3 Enclosure. 50-4 Enclosures have no conduit openings. Conduit runs are provided in the concrete pad by the installer. Write for installation drawing before pouring the pad. The 50-2/2 Dual Enclosure will house two Kirk Cells.

### DIMENSIONS

Height to top of lid . . . . .	15 1/8"
Overall height . . . . .	16 3/4"
Width at bottom . . . . .	11 1/8"
Width at top . . . . .	12 1/16"
Depth at bottom . . . . .	9 7/16"
Depth at top . . . . .	10 1/16"