



## CircuitWriter™ CW100L Liquid Conductive Ink

**Part No.:** CW100L

**Formulation:**

- 30-60% SILVER
- 20-30% 4-CHLOROBENZOTRIFLUORIDE
- 10-20% ACETONE
- 3-5% ACRYLIC RESIN
- 1-2% ORGANOPHILIC CLAY



**Container Size:**

CW100P	100%	pen	5 grams	low VOC
CW100L-4	100%	bottle	125 grams	low VOC
CW100L-12	100%	can	375 grams	low VOC
CW100L-32	100%	can	1000 grams	low VOC

### Product Description:

Precision Conductive Ink. Apply instant traces on most surfaces (epoxy, glass, plastic, metal). Draw traces on circuit boards, repair defective traces, make jumpers and shield electronics, design prototype circuits and repair rear-window heater traces.

### Specifications:

**Color:** Silver  
**Binder:** Acrylic  
**Solids content by weight:** 51.5%  
**Density:** 14.1 lbs/gal  
**Electrical Resistance:** < 0.017 ohm/sq/mil  
**Shielding Performance:** 76 dB  
**Viscosity:** 20-25 sec., #2 Zahn Cup @ 25 °C  
**Ideal Film Thickness:** Between 0.4 and 1.0 mils  
**Theoretical Coverage:** 340 Sq ft/gal @ 1 mil  
**VOC Content:** 0.50 lbs/gal

**Soldering:** After heat curing only. Use low temperature soldering (less than 350°F) for not more than 5 seconds. Use low temperature soldering iron.

**Shelf Life:** If stored in dry cool space, 12 months after first use, 24 months if unopened.

#### IF SPRAYING:

**Diluent:** acetone, recommended starting with 1:1 ratio by volume

**Drying time:** 10 min air, then 10 minutes at 180°F (6" from 50 watt light bulb), or air cure for 24 hrs.

**Recommended thickness:** 0.5-1.5 mils dried

#### TYPICAL PROPERTIES WHEN DRIED:

**Sheet resistance:** 0.017 ohms/sq/mil (25 um)

**Attenuation:** 76 dB

## **DeoxIT® Essential Reference:**

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**DeoxIT®** - Brings old systems back to life!

**DeoxIT® GOLD** - Maintains new system performance!

**DeoxIT® SHIELD** - Maintains new system performance for severe environments!

## **Shipping Information:**

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Hazardous: Yes

Shipping: Small quantities, ORMD. Refer to MSDS for additional information.

## **Other Information:**

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CW100L MSDS Link: <http://store.caig.com/app/site/media/sitemedia.nl/id.961/f>

DeoxIT® Product Sheet: <http://store.caig.com/s.nl/it.l/id.64/f?category=-117>

MentorCard Link: [http://www.caig.com/pdf/MentorCards\\_2006\\_av.pdf](http://www.caig.com/pdf/MentorCards_2006_av.pdf)

## **MANUFACTURER DISCLAIMER:**

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## **Contact Information:**

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### **North America**

CAIG Laboratories, Inc.

12200 Thatcher Court

Poway, CA 92064 USA

Tel: (858) 486-8388

Fax: (858) 486-8398

**Website:** [www.caig.com](http://www.caig.com)

**General email:** [info@caig.com](mailto:info@caig.com)

**Technical email:** [tech@caig.com](mailto:tech@caig.com)