

# G-SERIES DeoxIT® Gold

Maximize System Performance!™



## PRODUCT *Info*

### Contact Enhancer & Protector for Gold Electronic Connections

- ▶ Improves Conductivity
- ▶ Maintains Optimum Signal Quality
- ▶ Reduces Wear & Abrasion
- ▶ Prevents Fretting/Dendrite Corrosion
- ▶ Forms Protective Anti-tarnishing Coating
- ▶ Stabilizes Connections Between Similar and Dissimilar Metals
- ▶ Reduces Arcing, RFI and Intermittent Connections
- ▶ Temperature Range\*:  
DeoxIT® GOLD G100L: -34°C to 240°C  
DeoxIT® GOLD GXL: -45°C to 310°C



DeoxIT® Gold G-Series is a unique conditioning solution that improves conductivity and protects gold, base metals and other precious metal contacts and connections. DeoxIT® Gold provides long-lasting protection on gold, silver, rhodium, copper, bronze, nickel and other precious metals.  
Use on gold plated connectors, contacts and metal surfaces for maximum performance and protection.

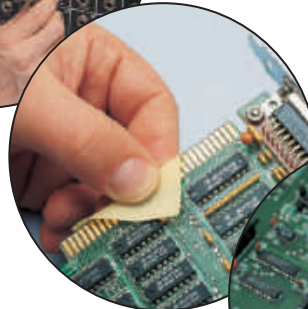
\* NOTE: Temperature ranges may vary depending on conditions. On critical applications, independent testing is highly recommended.

### DeoxIT® Products... used by those who demand the best!

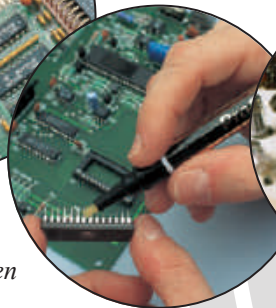
Boeing	General Electric	McIntosh Labs	Switchcraft
Daktronics	Hewlett-Packard	Motorola	Tektronix
Diebold Inc.	Honeywell	Nokia	Union Pacific
Dolby Laboratories	Intel	Philips Healthcare	Wayne-Dresser
Dover Elevator	John Deere	Rane Corp.	Xerox Corp.
Federal Express	Logitech	Roland	and many more!



Spray



Wipes



Pen



Brush



**NEW** 2cc Squeeze Tubes  
Great for OEMs

**DeoxIT® Gold is the only product that actually penetrates plated surfaces, molecularly bonding to the base metals to seal and protect both surfaces.**



Home of the DeoxIT® family of Environmentally-Safer Contact Cleaners and Connector Enhancing Treatments  
Made in USA



Audio/Video



Computers



Automotive



Communications



Marine



Electrical



Energy



Photography



Security



Medical



Avionics

DeoxIT® Gold G-Series is specifically formulated to improve conductivity and provide long lasting protection on gold, precious metals and their base metals. It conditions connectors, contacts, and other metal surfaces, thus enhancing the conductivity characteristics to efficiently transmit electrical signals.

DeoxIT® Gold G-Series outperforms all other contact cleaners, enhancers and lubricants. Due to its unique properties, it deoxidizes and cleans surface contamination, penetrates plated surfaces and molecularly bonds to the base metals. NO OTHER PRODUCT DOES THIS. DeoxIT® Gold increases the performance and reliability of all electronic equipment. It improves conductivity for greater definition and dynamics, reduces noise and interference, and lowers distortion. Unlike other products, it also stabilizes connections between similar and dissimilar metals. DeoxIT® Gold provides long lasting protection on gold, silver, rhodium, copper, nickel and other precious metals.

Physical and chemical changes in the surface condition of electronic connectors are primary causes of degraded performance of components and equipment. When contact surfaces are exposed to dust, smoke, gases, soot, and other solids suspended in the atmosphere, nonmetallic films form, inhibiting conductivity. Added resistance and friction between metal surfaces can also cause abrasion, noise, freeze-up, and in some cases, increased power consumption.

A common problem with plated surfaces, especially gold, is the "whiskering" (dendrite corrosion) of base metals to the surface due to golds soft and porous nature. Once exposed, base metals oxidize causing a "blistering" of the surfaces, adding unwanted resistance that impedes electrical performance. The contact surfaces are actually separated by this blister, thereby reducing the effective contact area. Since gold plated surfaces are thinly coated, they are susceptible to scratching and abrasion, further exposing the base metals.

Conduction through a DeoxIT® Gold coated surface takes place in three ways. First, DeoxIT® Gold can be displaced by electrical arcing, shock wave or simple mechanical pressure and will redistribute itself along the surface when the disturbance is removed. Second, a thin insulating film of DeoxIT® Gold can be dispersed by an electrical field. Finally, conduction takes place through a very thin film of DeoxIT® Gold by means of a quantum- mechanical phenomenon called "tunneling." To avoid detouring into a discussion in physics, simply stated, electrons travel from one side of a thin film of DeoxIT® Gold to the other without passing through. (This is the same effect that gave the tunnel diode its name). DeoxIT® Gold fills the gaps in the contact surfaces, increasing the surface area and current flow (conductivity). DeoxIT® Gold penetrates the plated surface and molecularly bonds to the base metals to seal and protect it. Unlike other products, DeoxIT® Gold provides long lasting protection (1-10+ years) and will not gum-up, evaporate, varnish, char or breakdown.

DeoxIT® Gold G-Series coats the entire contact surface, providing superior protection from abrasion (insertion resistance), dendrite corrosion, arcing, RFI, wear, and atmospheric contamination. DeoxIT® Gold will significantly increase the performance and reliability of all electronic components and equipment.

Nonabrasive, noncorrosive, nonflammable, nontoxic and environmentally safer. Request Tech Sheet SB-G100 for further details.

## EASY AS 1 - 2 - 3

- ▶ DeoxIT® D-Series, Contact Cleaner & Rejuvenator Bring Old Systems Back to Life™
- ▶ DeoxIT® Gold G-Series, Contact Conditioner & Protector Maximize New System Performance™
- ▶ DeoxIT® Shield S-Series, Contact Protector Maintain New System Performance for Severe Environments™

## Applicators & Products:

**Standard Spray:** provides flushing action, flammable (until solvent evaporates). Plastic safe, 5% formula.

DeoxIT® Gold G-Series	142 g	Part No. G5S-6
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**NF Spray:** Quick dry - non drip, nonflammable. Plastic safe, 5% formula. Use when flushing dirt/grease from surface is not required.

DeoxIT® Gold G-Series	40 g	Part No. GN5S-2N
DeoxIT® Gold G-Series	163 g	Part No. GN5S-6N

**100% Spray:** Non drip, nonflammable. Plastic safe, 100% formula, metered one-shot spray. No solvents, precision application of DeoxIT®.

DeoxIT® Gold G-Series	57 g	Part No. G100S-2
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**Wipes, Pens, Liquids** - Plastic safe, 100% DeoxIT® Gold no solvents.

DeoxIT® Gold Wipes, individual	50 ea	Part No. K-G1W-50
DeoxIT® Gold Wipes, 50 pack	50 ea	Part No. G50W
DeoxIT® Gold Squeeze tube	2 mL	Part No. G100L-2C
DeoxIT® Gold Pen	6 mL	Part No. G100P
DeoxIT® Gold Oiler	6 mL	Part No. G100L-P6C
DeoxIT® Gold brush	7.4 mL	Part No. G100L-2DB
DeoxIT® Gold Needle	25 mL	Part No. G100L-25C

Bulk sizes available for manufacturers.

**5% Liquids** - 5% DeoxIT® Gold, 95% Solvent

For production applications that require a light (5%) coating of DeoxIT® Gold flammable (until solvent evaporates), VOC and RoHS Compliant.

DeoxIT® Gold Container	118 mL	Part No. G5L-4A
DeoxIT® Gold Container	354 mL	Part No. G5L-12A
DeoxIT® Gold Container	944 mL	Part No. G5L-32A

**NOTE:** For part numbers for DeoxIT Gold Gx and Gx2, visit [www.caig.com](http://www.caig.com)

## VOC and RoHS Compliant

### 1000+ Uses

Home/Office/Shop/Industry

#### HOME:

Light Bulbs  
(brighter/less energy)  
Batteries and Re-chargers  
Emergency Lights  
Audio/Video connections

Computer/Automation  
Cable & Telephone connections  
Switches, Plugs & Sockets  
Pool Equipment connections  
Low Voltage Lighting connections  
Rechargeable Devices:  
Cordless phones, cell phones,  
PDAs, cameras, vacuums, etc.

#### OFFICE:

Computer connections:  
External and Internal  
Communication connections:  
Cable, telephone, faxes,  
modems  
Office Equipment connections  
Automation Equipment

#### SHOP:

Power Tool connections  
Rechargeable Devices:  
Drills, lights, screwdrivers,  
etc.  
All Electronic connections

Product Information Sheet  
C-G100, 12/2020



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MADE IN USA