

Since 1956



PRODUCT INFO

Our products make your products perform!

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 GX2: -45°C to 500°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.

DeoxIT® Products...

used by those who demand the best!

24 Hr Fitness
Boeing
Diebold Inc.
Dolby Laboratories
Dover Elevator
Eastman Kodak
Federal Express
FAA

General Electric
Hewlett-Packard
Honeywell
Intel
John Deere
McIntosh Labs
Motorola
RCA

Rane Corp.
Roland
Switchcraft
Tektronix
Texas Instruments
Wayne-Dresser
Xerox Corp.
and many more!

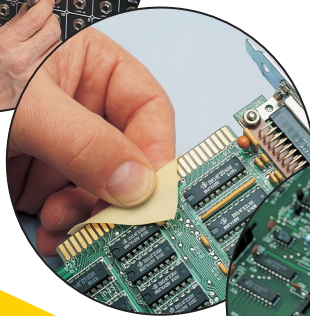
DeoxIT® G-SERIES Gold

Maximize New System Performance™

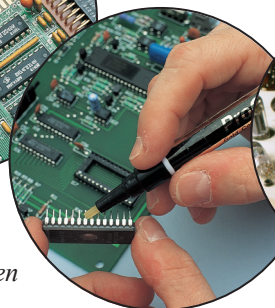
Formerly ProGold



Spray



Wipes



Pen



Brush



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



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Avionics

DeoxIT® G-SERIES Gold

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.

Product Information Sheet C-G100, 4/2010



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EASY AS 1 - 2 - 3

► **DeoxIT® D-Series - Contact Cleaner & Rejuvenator**
Bring Old Systems Back to Life™

► **DeoxIT® Gold G-Series** (formerly ProGold)
Contact Conditioner & Protector
Maximize New System Performance™

► **DeoxIT® Shield S-Series** (formerly PreservIT)
Contact Protector
Maintain New System Performance for Severe Environments™

DeoxIT® Gold G5 Mini-Spray: Flushing action - slow dry, flammable (until solvent evaporates), 5% DeoxIT® Gold, safe on plastics, no CFC's/HCFC's. Part No. G5MS-15, (14 g),

DeoxIT® Gold GN5 Mini-Spray: Quick dry - non-drip, nonflammable, 5% DeoxIT® Gold, safe on plastics, no CFC's/HCFC's. Part No. GN5MS-15, (14 g)

DeoxIT® Gold G5 Spray - Flushing action - slow dry, flammable (until solvent evaporates), 5% DeoxIT® Gold, adjustable valve, no CFC's/HCFC's. (NSN 6850-01-435-6475), Part No. G5S-6, (5.0 oz./142 g)

DeoxIT® Gold GN5 Spray - Quick dry - non-drip, nonflammable, 5% DeoxIT® Gold, safe on plastics, no CFC's/HCFC's. Part No. GN5S-6N, (5.5 oz./163 g)

DeoxIT® Gold G100S - Provides short bursts of 100% DeoxIT® Gold liquid. No solvents, environmentally safe, nonflammable, metered valve. Provides extra lubrication. (NSN 6850-01-435-6477), Part No. G100S-2, (2.0 oz./57 g).

DeoxIT® Gold Wipes, Pens & Liquids - 100% Concentrate

(Environmentally safe, nonflammable, noncorrosive, nontoxic)

G50W ... Wipes, 50 ea. (NSN 6850-01-477-1522)	G100L-2DB ... w/brush, 7.4 ml
G1W-25, G1W-50 ... Wipes, 25 ea. / 50 ea.	G100L-8 Bottle, 236 ml
G100P ... Pen Applicator (NSN 6850-01-477-1448)	G100L-8UV Bottle, 472 ml
G100L-25C Needle Dispenser, 25 ml	G100L-32 Bottle, 944 ml
(NSN 6850-01-412-5866)	G100L-32UV Bottle, 944 ml

DeoxIT® Gold - 5% Liquids

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

G5L-4A 118 ml Container	G5L-32A 944 ml Container
G5L-12A 354 ml Container	G5L-8GA 8 Gallon Bulk

► **DeoxIT® Gold G^{XL} -**
Extended Temperature, Longer Lasting Formula,
-45°C to +310°C.

DeoxIT® Gold G^{XL} is formulated for more extreme temperatures and applications. It has been field and lab tested to provide 10 years protection and service life without deterioration, gumming or varnishing. It is ideal for use in electronics, automotive, marine and industrial applications where long term protection is needed.

GX5S-6 Spray, Quick dry - non-drip, nonflammable, 5% DeoxIT® Gold, safe on plastics, no CFC's/HCFC's.

GXP5S-6 Pump Spray, nonflammable, 5% DeoxIT® Gold, safe on plastics, no CFC's/HCFC's.

GX100L-25C Needle Dispenser, 25 ml

GX100L-8-UV Bottle, 472 ml (UV Tracer Dye)

GX100L-32-UV Bottle, 944 ml (UV Tracer Dye)

Distributed By: