

X-70

X-800

CHALLENGER

The Detector Professionals Use!



COMPASS
Electronics Corp.

For the Professional or Serious Depth Capability, Versatility

CONTROLS • FEATURES

ON/OFF TUNING

MODE SELECTOR — Ground Balance, Ground Balance Discriminate, TR Discriminate, (X-70 and X-80) GB Discriminate Target Tone Identification (X-80 only).

GROUND BALANCE — Tunes out mineralized ground in all-metal GB, GB Disc (X-70 and X-80) and Audio Target Tone (X-80 only) modes.

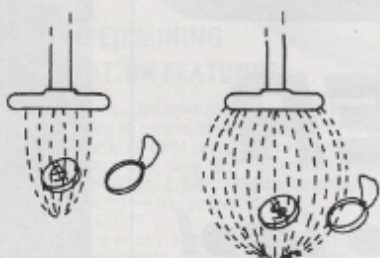
VARIABLE AUTOMATIC TUNING — When Switched ON, this control can be extremely helpful in many detecting areas. By adjusting the automatic retuning speed from very slow to very fast, the operator has total flexibility in matching the detector to the soil or salt condition. Many treasure hunt winners insist on this feature!

MERCURY SPEAKER TILT SWITCH — Disconnects speaker when detector is laid flat while you dig for a find. Reduces battery consumption up to 90% during this period.

TARGET LEVEL CONTROL — Continuously variable for operator flexibility in matching the motion response to hunting conditions. Set LOW for narrow response to detect good targets closer to trash than with any other motion detector. HIGH setting broadens the response for maximum ground coverage and slower motion operation.

TARGET LEVEL
Set Low

TARGET LEVEL
Set High



AUDIO TARGET TONE IDENTIFICATION — In this mode of operation each individual target has its own tone. Certain targets, such as foil, have a lower tone, while others, such as a silver dollar, have a very high tone. (X-80 only)

VARIABLE AUDIO SPEAKER TONE — Matches the speaker audio frequency to what you hear best for more depth.

SENSITIVITY — Under normal conditions, there is no other detector as sensitive as the CHALLENGER. The depth capability is an important industry advancement, and can be adjusted according to soil conditions and operator proficiency.

VOLUME — Variable

DISCRIMINATE CONTROL — Adjusts to distinguish between "good" and "junk" (screw caps, pull tabs, nails, bottle caps and foil) items. Factory calibrated zero discrimination for prospecting applications. Can be set to eliminate salt water for beach hunters.

FULL-TIME METERED TARGET IDENTIFICATION — In all modes. Set to high level of audio discrimination to eliminate pull tabs/screw caps while correctly identifying nickels and rings on visible target meter, and with just one sweep over target. Meter also indicates depth of coin-sized objects. (X-80 only).

ADVANCED FEATURES

COMPASS has now answered thousands of serious metal detector user requests to locate the meter in a functional and readable position. This important advancement means **NO MORE BENDING AND SQUINTING!** Large and easy to read, the meter indicates trash or treasure and coin depth.

Revolutionary mode of operation dual push buttons are functionally located. Push **BLACK** for VLF and **RED** for Discriminate. Used in conjunction with the color-coded mode selector, the push buttons provide unequalled flexibility and ease of operation.

Other Features . . .

- **AUTOMATIC BATTERY CHECK** for approximately 4 seconds each time you turn on your CHALLENGER
- **EARPHONE INPUT JACK**
- **METERED COIN DEPTH** of U.S. sized coins in both inches and millimeters



SPECIFICATIONS

USES — Coin and jewelry hunting, prospecting for gold and other minerals, relic hunting, beachcombing, cache hunting, treasure hunting, underwater recovery

DEPTH CAPABILITY — In GB mode with maximum sensitivity, 11" - 13" (27.9 cm - 33 cm) on U.S. 25¢ coin, 20% additional depth with 12" search head, 40% additional with optional 16" search head (largest on the market). Depth will vary with ground mineralization.

WEIGHT — Operating with 8" Search Head, 5 lbs.

POWER REQUIREMENTS — 12V at full audio load to 18V, factory equipped with 12 Free Nicad rechargeable cells

FREQUENCY — 6.875 kHz, crystal controlled

AUDIO FREQUENCY — Operator adjustable from 180 Hz to 600 Hz

TEMPERATURE RANGE — 33° to 100°F (0° - 38°C)

HOUSING — All-metal electronics housing for better shielding against electromagnetic radio frequency interference

WARRANTY

COMPASS' popular 5-year limited warranty backs each CHALLENGER. See our catalog for further details.

Hunter Who Demands Maximum and a Clearly Visible Meter

- EXTERNAL INPUT JACK for battery charger — Rechargeable batteries do not need to be removed for charging
- EXTRA LARGE 3" SPEAKER for unequalled response
- DUAL ROD LENGTH ADJUSTMENT — Collapses unit to smallest size in industry, eliminating need to disassemble for storage

- SPECIALLY DESIGNED, full-scan, water-proof, lightweight co-planar concentric search heads
- IMPROVED CABLE JACKET AND SHIELDING for better performance, reliability, and shielding from electromagnetic and radio interference



CHALLENGER X-80

with Metered Target Identification and Coin Depth

\$659.95 with 8" and 12" Search Head
(Save \$20.00)

\$599.95 with 8" only

Currently includes the following FREE Accessories:

Arm Rest	17.95 Value
Rechargeable Battery System	49.15 Value
Total Free Value	\$67.10 Value

X-80 PRESET CONTROLS (not shown in photo)

To make an easy-to-operate detector even easier, all controls are now marked with preset positions. The new operator can turn controls to preset setting, turn detector on and start hunting!

Once the basics are mastered, you still have the flexibility to set controls beyond the limits of factory set detectors.

PRESET positions will be featured on the X-70 in June of '84.



OPTIONS

- 1" Probe
- 3" Coin and Nugget Probe
- 12" Deep Scan Search Head
- 16" Ultra Deep Scan Search Head
Largest Search Head Available for any U.S.-Made VLF Detector
- Back-lighted Meter for Night Operation
- Hip Mount Platform Conversion Kit
- Epoxy-filled Loops for Water Hunting
- Many Others



CHALLENGER X-70

With Coin Depth Indicator

\$499.95 with 8" Search Head

Currently includes the following free accessories:

- Free Rechargeable Battery System
- Free Arm Rest (\$67.10 Retail Value)

RECOMMENDED ACCESSORIES



Back-lighted Meter for Night Operation
(Kit Form, Easily Installed)



Hip Mount Platform Conversion Kit

OTHER COMPASS PRODUCTS

NORTH AMERICAN GOLD DREDGE

Professional Lightweight
2" Dredge Models

Priced from
\$424.95
to \$599.95
(Pontoon
floatation)



RUGGED MINING CONDITION FEATURES:

- For unequalled ease of priming, Pro-Power Jet includes integral swinging gate valve. Doubles as means of unplugging hose of obstructions.
- All-metal 80 GPM pump and impeller — NO plastic used.
- All-metal foot valve. Our foot valve will not float and needs no anchor!
- Rugged 35cc, 2.1 h.p. engine featuring needle-roller bearings and a carburetor with real fuel pump — no reed valves.

NAGD is a wholly owned division of COMPASS ELECTRONICS CORP., the Electronic Gold Detection Experts. Write for free Catalog.

NORTH AMERICAN GOLD DREDGE
PO Box 366 • 3700 24th Ave. • Forest Grove, OR 97116



COMPASS
Electronics Corp.

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COMPASS DETECTOR DEALERSHIP AVAILABLE

As a user, you may qualify for a dealership. If there is no authorized COMPASS dealer in your area, write or call the factory for our lucrative dealer information. We will send customers to you through our dealer referral program.

SOLD IN YOUR AREA BY:

