



CLEMCO
The Performance
System

TECHNICAL DATA SHEET

Note: For safe, efficient blasting, read and follow the owner's manual and seek training for everyone who will use this equipment.

Purpose

The Apollo Helmet Communication system allows two-way communication between the blast operator(s) and the supervisor.

Advantages

- The constant communication provided by the system serves as a critical safety link
- One person can supervise several blast operators without stopping the work in progress
- Reduces the training time for new blast operators
- Increases productivity for experienced operators
- Ideal for inside tanks, containment systems, on bridges, in tank farms, around shipyards, and other blast sites
- The flexible 5-channel system lets operators select a clear frequency
- Switch-programmable squelch feature suppresses the unwanted conversations sometimes found on the same or nearby frequencies in congested areas

Requirements for operation

These items are required but not included with the helmet communicator set.

- Apollo 20, Apollo 60, or other respirator
- 110 V 60 Hz AC for recharging

Operator Set

The operator set fits inside Clemco Apollo Helmets and most other air-fed respirators. The military-style 'close-talk' microphone minimizes the pickup of outside noise. The two-ear headphones deliver crystal-clear sound and reduce the amount of outside noise reaching the operator.

Description

Operator communicator set includes 2-channel standard (5-channel optional) helmet-mountable headset with boom microphone, holster, arm-activated push-to-talk keyswitch (PTT), battery charger, and 7.5 V DC nickel-cadmium battery. The supervisor set includes the radio, charger, battery, thumb-actuated push-to-talk keyswitch (PTT), and a slip-on headset with microphone.



Apollo Helmet Communication System includes one operator set and one supervisor set.
(Apollo Helmet not included)

The lightweight, high-impact polycarbonate transceiver is held securely in a durable chest-holster under the blast cape, protected from rebounding abrasive.

An oversize push-to-talk keyswitch, mounted on the operator's side, can be triggered with the touch of an elbow so the operator can keep both hands firmly on the blast nozzle. The built-in rechargeable Ni-cad battery delivers full signal strength throughout a typical eight-hour shift.

Each Helmet Communication set includes its own recharging stand. Quick recharging takes just 3 to 5 hours, depending on the condition of the batteries. Complete recharging can be done overnight.

Supervisor Set

The supervisor set includes the same rugged radio and charger, but has a headset for use without a helmet, and a

Apollo Helmet Communication Systems

Supervisor & Operator Sets
Stock No. 21717

Operator Set only
Stock No. 21718

Supervisor Set only
Stock No. 21719



thumb-actuated push-to-talk keyswitch that clips to the supervisor's belt.

Specifications

- Frequency: UHF — 450 to 470 MHz
- Channel Spacing: 20/25 KHz; Crystal Controlled
- Power Output: 4 Watt
- Channels: 5
- Radio Weight: 16.4 oz (364 g)
- Radio Dimensions: 6.2" x 2.5" x 1.28" (142 x 64 x 30mm)
- Power Supply: One 7.5V Rechargeable Nickel-Cadmium Battery
- Average Battery Life: 8 Hours (@ 5-5-90 Duty Cycle)

NOTE: Operator and supervisor cable assemblies are available to fit other radios. Contact your distributor for available systems.

Approvals and Certifications

UL Listed

Authorized Distributor:

ISO 9001-2000 certified. Clemco is committed to continuous product improvement. Specifications are subject to change without notice.

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