

GRAMS HEADLIGHT

ULTRA LIGHT WEIGHT PORTABLE HEADLIGHT MADE WITH THE PRECISION OF A FINE SURGICAL INSTRUMENT

The light weight design allows the user to wear the light all day in the office or operating room.

A custom manufactured 5 watt halogen bulb is housed in a computer designed reflector with such efficiency that the headlight will produce 2000 ft. candle power. This is 4 times brighter than a head mirror and a 100 watt bulb. An infrared filter absorbs heat and gives better color definition. The light can be focused to a small intense spot that can penetrate a deep cavity.

A rheostat located on the headband will allow a range of light intensity depending on the type of examination or surgery.

The light assembly is connected to the headband by two precision stainless steel ball joints with easily adjustable tension. The size of the reflector assembly is only 1¼ diameter x 1½ long. This combination permits the light to be positioned any place on the forehead, between the eyes, or over one eye for narrow cavities.



The electrical wire is a special lightweight coaxial cable selected for long life. The headband has a convenient ratchet adjustment for head size, and a replaceable foam band for comfort.

Since the power required by the headlight is only 5 watts, our battery pack(BP-126), which weights only 11 oz., will provide 3+ hours of continuous light. This will allow total freedom in the office or hospital. The battery uses nickel metal hydride power cells, and is rechargeable at any time with no memory effect.

It has been our experience that a combination of one headlight with spare bulb, two batteries, one charger, and a carrying case makes a versatile lighting combination for the physician. With this combination, one battery can be left on charge while the other one is being used. A transformer (TR-142) is also available for use when battery power is not sufficient. The carrying case is optional, but serves as a central organized storage unit for protection during transportation.

GRAMS HEADLIGHT KIT - HK-126

Consists of:

Grams Headlight	HL-100
(2) NiMH Battery Packs	BP-126
NiMH Battery Charger	TC-137
Replacement Bulb	LB-110
Carrying Case	CC-150



Grams Medical

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NiMH BATTERY PACK - BP-126

Rechargeable Nickel Metal Hydride pack provides more power in a smaller package. This compact model replaces the previous generation of packs. (Weight -11 oz. Dimensions - 1½ x 3 x 2¾ with integrated belt clip). Internal electronics protect the battery from short circuits and deep discharges. The rated capacity is 3+ hours continuous, and approximately 500 recharge cycles are expected.

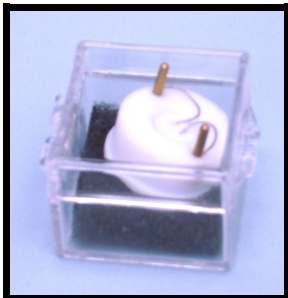


NiMH CHARGER - TC-137

Optimized for proper and rapid recharging of the new generation NiMH battery packs. It charges a BP-126 NiMH battery in about 3 hours, and will stop charging as soon as peak voltage is reached. LED indicators show charging activity. This charger is only used for the BP-126 battery.

TRANSFORMER - TR-142

Used as an alternative power source. It has a 7 foot lightweight coil cord for tangle resistant use and good mobility. Uses 110V AC household power.



LIGHT BULB - LB-110

A specially designed 5 watt halogen bulb. Each bulb is hand mounted in a Teflon base, precision aligned, and tested at Grams Medical for optimum light output. At full bright, the minimum life should be 70 hours. Since most procedures do not require full power, bulb life can be extended to 200 hours when the rheostat is slightly dimmed. Individually packaged in a plastic box.

CARRYING CASE - CC-150

Ideal for transportation of the headlight and accessories. The textured ABS plastic case is attractive, sturdy, lightweight, and both scratch and dent resistant. Die cut foam inserts separate headlight and accessories for easy and safe handling. You can cut the foam for storage of your own small instruments.



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