

®

# GR 250



- Long reading ranges
- Maximized read area
- Rugged, ergonomic design
- Store up to 3,072 readings with time and date stamp.

**troyan**

# trovan<sup>®</sup> GR 250

Portable Reader  
High Performance

The TROVAN GR-250 High Performance Portable Reader is designed specifically to meet the most demanding environments, such as marine research applications, animal shelters and police anti-theft applications. Foremost is the need to quickly locate and accurately read a microchip, if there is one present in the animal or the object, under adverse conditions. For this reason, read range **and** read area coverage have been maximized. This enables operators to quickly locate and read the microchip, even if it is not located where expected due to misapplication and even if the scanning time is severely limited.

Unruly animals and harried work conditions often cause the reader to be dropped or knocked off a counter onto the floor. The reader may be hosed down to insure sanitary conditions. And when the reader is used in the field, it is similarly subjected to very harsh conditions. For these reasons, the GR-250 reader case is manufactured with heavy duty ABS and glass-filled polycarbonates that are securely fastened together. It is sealed to prevent moisture, caustic chemicals, and salt air from intruding inside the case and damaging the electronics. The handle and trigger have a rugged, ergonomic design to minimize losing grasp on the reader.

#### INTERFACE

RS232, up to 19,200 BAUD

#### CLOCK

Real time clock

#### INDICATORS

Red and green LEDs, buzzer

#### MEMORY

8 KB RAM, 64 KB Flash

3,072 readings with time and date stamp

#### PROCESSOR

Philips P89C668

#### DIMENSIONS

Length: 297 mm (11.7 in.)

Width: 175 mm (6.9 in.)

Height: 114 mm (4.5 in.)

#### WEIGHT

Approx. 2.8 lbs

#### BATTERY/POWER REQUIREMENTS

Easily replaceable 12 V rechargeable

NiMH battery pack

#### DISPLAY

LCD (2 lines of 16 characters per line)

#### HUMIDITY

95% non condensing, splash proof

#### OPERATING TEMPERATURE

0°F to 120°F (-17C to 49C)

#### STORAGE TEMPERATURE

-20°F to 150°F (-28C to 66C)

#### READING DISTANCE

(optimal transponder orientation)

ID-100(A) 24 cm (9.45 in.)

ID-200 34 cm (13.39 in.)

ID-300 25 cm (9.84 in.)

ID-400 53 cm (20.87 in.)

ID-500 74 cm (29.13 in.)

ID-600 47 cm (18.5 in.)

ID-700 25 cm (9.84 in.) on metal

ID-800 74 cm (29.13 in.)

ID-1000/13 23 cm (9.06 in.)

ID-1000/20 30 cm (11.81 in.)

ID-1000/30 40 cm (15.75 in.)

ID-1000/50 52 cm (20.47 in.)