GR 250

- Long reading ranges

- Maximized read area

- Rugged, ergonomic design

- Store up to 3,072 readings with time and date stamp

The TROVAN GR-250 High Performance Portable Reader is designed specifically to operate in the most demanding environments, such as marine research applications, animal shelters and police anti-theft applications. It is designed to quickly locate and accurately read a transponder, if there is one present, under the most adverse conditions. For this reason, read range and read area coverage have been maximized. This enables operators to quickly locate and read the transponder, 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 readers to be dropped or knocked off a counter onto the floor. The reader may be hosed down to insure sanitary 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.

OPTIONS

CAB-250
> RS-232 comms cable, for GR-250 reader

PA-250
> Spare battery pack, NiCad

GR-250BT
> High Perfomance Portable Reader with bluetooth connectivity

FP-250
> Fireplug, USB communications dongle to pair with GR-250BT bluetooth reader, for use with PC via USB port.

DIMENSIONS
> Width   175 mm (6.9 in.)
> Length   297 mm (11.7 in.)
> Height   114 mm (4.5 in.)

WEIGHT
> approx. 1.27 kg (2.8 lbs).

BATTERY/POWER REQUIREMENTS
> Easily replaceable 12 V rechargeable NIMH battery pack

SUPPLY CURRENT
> Antenna activated 173 mA
> Antenna deactivated 26 mA

DISPLAY
> LCD (2 lines x 16 characters)

INDICATORS
> Red and green LEDs, buzzer

PROCESSOR
> Philips P89C668

MEMORY
> 8 KB RAM, 64 KB Flash
> 3,072 readings with time and date stamps

INTERFACE
> RS232, up to 19,200 baud

HUMIDITY
> 95% non-condensing, splash proof

MATERIAL
> ABS UL 94 H

OPERATING TEMPERATURE
> -28°C to +66°C (-20°F to +150°F)

READING DISTANCE

ID-100	up to 24 cm (9.45 in.)
ID-200	up to 34 cm (13.39 in.)
ID-300	up to 25 cm (9.84 in.)
ID-400	up to 61 cm (24.02 in.)
ID-500	up to 74 cm (29.13 in.)
ID-600	up to 47 cm (18.5 in.)
ID-700	up to 25 cm (9.84 in.) on metal
ID-800	up to 74 cm (29.13 in.)
ID-1000/13	up to 23 cm (9.06 in.)
ID-1000/20	up to 30 cm (11.81 in.)
ID-1000/30	up to 40 cm (15.75 in.)
ID-1000/50	up to 52 cm (20.47 in.)

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