

®

trovan

ID 100A



- Our smallest transponder
- Unobtrusive ID
- Bio-compatible glass encapsulation
- Insert into pre-drilled holes
- Mold into plastic items
- Submerge in liquids

trovan[®] ID 100A Microtransponder

The TROVAN ID-100A Microtransponder is designed for use in applications where a small, unobtrusive ID tag is called for. This configuration is suitable for large-scale animal applications (for example fish hatcheries) and industrial applications requiring smallest-size transponders and/or extended exposure to fluids. It can be embedded in non-ferrous items so that it is completely invisible from the outside. It can be used on items with very small dimensions, which require a tiny ID tag.

DIMENSIONS

Length: 11.5 mm (0.45 in.)
Diameter: 2.12 mm (0.083 in.)

WEIGHT

0.09 g. (0.002 oz.)

IDENTIFICATION CODE

64 bits

ENCAPSULATION

Biocompatible glass

SCAN ANGLE

Spherical

READING RANGE

GR-250 up to 24 cm (9.45 in.)
Maximum up to 33 cm (13 in.)

TRANSMIT TIME

119 μ s/bit (8375 baud)

STORAGE TEMPERATURE

-40°C to +140°C (-40°F to 284°F)

OPERATING TEMPERATURE

-20°C to +75 °C (-4°F to 167°F)

OPERATING FREQUENCY

128 KHz

ENVIRONMENT

IP68

MECHANICAL PRESSURE

Axial max. 10N
Radial max. 40N

VIBRATION

Random -20 - 2,000 HZ/10 g./ 1 hr. p. axis
Sine -20 - 2,000 HZ/5g/ 1 hr. p. axis

PRESENTED BY: