

[®]
Flow

ID 103



- Ruggedised glass encapsulation
- Multiple uses
- Use in moist environments
- Mold into plastic items
- Submerge in liquids

trovan[®] ID 103

Ruggedised Microtransponde

The TROVAN ID-103 Ruggedised Micro Transponder has been designed specifically for use in industrial applications. Its small size and cylindrical shape make it ideal for injection by needle into hems or attachment by heat-sealed patch. Due to its rounded contours, abrasion of material due to friction against sharp edges is not a factor. The transponder has been crush-tested in industrial presses and washing cycles as well as with commonly used laundering chemicals and detergents. Due to the unit's fast reading speed, it is ideally suited for use with automated industrial sorters.

DIMENSIONS

Length: 13 mm (0.51 in.)
Diameter: 3 mm (0.18 in.)

WEIGHT

0.1 g. (0.004 oz.)

IDENTIFICATION CODE

64 bits

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)

ENVIRONMENT

IP68

MECHANICAL PRESSURE

Axial max. 10N
Radial max. 40N

VIBRATION

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

PRESENTED BY: