

## Handheld Reader for Electrostatic Discharge Control



PDF417



## General Description

The new Gryphon™ D200 ESD bar code reader has been developed by Datalogic Scanning in order to satisfy the strict requirements of EPA (ESD Protected Area).

ESD is a phenomena that occurs when an object has an imbalance in its electric charge: a fast charge transfer between objects with different electrostatic potential caused by contact or by the proximity of the two objects. Wherever electronic components are handled, installed or assembled, ESD poses a threat to product quality. Moreover, an increasing number of electronic components are susceptible to be damaged or destroyed by increasingly lower voltage levels.

ESD events, can also compromise the measurements taken by very sensitive instruments, such as in hospital and medical analysis laboratories.

The most advanced polymer and elastomeric technologies have been used to design and develop the new ESD-safe Gryphon™ reader. Thus the body of the product is composed of a slightly conductive plastic, rather than an insulating one, preventing the accumulation of tribocharges. Moreover, specific cables have been conceived for the new Gryphon™ D200 ESD guaranteeing ESD safety between any two points on it.

All these characteristics are coupled with the same outstanding performances of the standard model, in terms of reading quickness: 270 scans/sec and decoding capability. It allows reading of the most popular stacked codes such as PDF417, CODABLOCK and CODE16K, as well as traditional bar codes. In addition, the Gryphon™ D200 ESD exploits the "green spot", (Datalogic Scanning patent application) which provides "good reading" feedback directly on the code, where the user usually tends to be looking.

## Features

- > Certified between static dissipative ( $10^6 \Omega$  and  $10^{12} \Omega$ ) and conductive ( $10^3 \Omega$  and  $10^6 \Omega$ ) range
- > Casing and dedicated cable reduce costly component failure
- > Complete voltage discharge
- > Outstanding reading/decoding speed
- > Linear and PDF417 bar code decoding

## Applications

- > Electronic Component Manufacturers: PC Board Assembly and Manufacturing, Disk Drive Manufacturing
- > Semi-Conductor Fabrication
- > Healthcare: hospitals and medical analysis laboratories

