The DS6300 Datalogic scanner is designed to offer a complete and modular solution in terms of reading performance, connectivity, ease of use and maintenance. New HW and SW platforms and an innovative architecture provide mid-range industrial bar code readers with outstanding performance, as a result, the DS6300 is the optimal solution for a wide range of manufacturing applications both in the factory floor and warehouse.

Applications

- Unattended Scanning Systems
- Shop Floor Data Collection and WIP Tracking in Manufacturing: Automotive, Electronics, Consumer Products
- Picking, Sorting, Tracking in Warehousing and Distribution

Features

- High Performance Laser Scanner
- “2-step” mechanically adjustable focusing optic, providing the scanner with a reading range from 250 mm to 2,000 mm at the minimum distance and reading field width at the reading range from 250 mm to 2,000 mm
- Advanced decoder with code reconstruction capability (ACR™4)
- Good reading performance on very low contrast bar codes
- Linear and integrated OM versions
- Display and keyboard
- Shop Floor, Data Collection and WIP Tracking in Manufacturing: Automotive, Electronics, Consumer Products
- Picking, Sorting, Tracking in Warehousing and Distribution

DS6300
**DS6300 High Performance Laser Scanner**

**Unattended Scanning Systems**

**Electrical Characteristics**
- **Power Supply**: 15 to 30 Vdc
- **Power Consumption**: 15 W max.

**Mechanical Characteristics**
- **Dimensions**: 113 x 110 x 99 mm (4.45 x 4.33 x 3.90 in.)
- **Weight**
  - Linear version: 1.3 kg. (2 lb 14 oz)
  - Integrated OM version: 2 kg. (4 lb 8 oz)

**Environmental**
- **Operating Temperature**: 0 to 40 °C (32 to 104 °F)
- **Storage Temperature**: -20 to 70 °C (-4 to 158 °F)
- **Protection Class**: IP64 for standard models; IP65 on request

**Performance**
- **Light Source**: Visible Laser Diode (650 nm)
- **Light Receiver**: Avalanche Photodiode
- **Max. Resolution**: 0.2 mm (8 mils)
- **Scan Rate**: 20,000 scans/s (max.)
- **Baud Rate**: 1,200 to 115,200 bauds
- **Input Signals**: Presence sensor plus 3 auxiliary digital inputs
- **Output Signals**: 3 switchable digital outputs
- **Auxiliary Interface**: RS232
- **Other Available Interfaces**: LonWorks (Master/Slave), Ethernet, DeviceNet, Profibus 2400
- **Case Material**: Aluminium
- **Laser Classification**: IEC 825 Class 2
- **Laser Control**: Security system to turn laser OFF in case of motor slow down
- **Note**: Compliance with IEC 825-1 (1993)

**Specifications**

**Dimensions**
- Linear version
- Integrated OM version
- 2-step adjustable optic reading area

**Reading Diagram**

**Protective Cladding**

**Additional Information**

**Printed in Italy October 2007**