



# DS4600A

## High Performance Compact Laser Scanner

### FEATURES

- *Reading distance up to 1,000 mm*
- *Display and keypad*
- *Auto learning function*
- Real time decoder
- Good reading performances on very low contrast bar codes
- Oscillating mirror available
- Internal heater for cold environments

### APPLICATIONS

- Automated warehousing
  - Conveyor sorting
  - Label verification
  - Picking systems
- Automated shop floor
  - Items and parts tracking
  - Packaging
  - Compliance

### GENERAL DESCRIPTION

The new Datalogic **DS4600A** is an industrial fixed positioned bar code reader specifically designed for the needs of the manufacturing industry.

As a result of the improved optic, the new **DS4600A** has a very good reading field width at the minimum distance and gives great reading performance on low contrast bar codes. This industrial scanner is available in three versions: the high density model, the medium range model and the long range version. The latter features a maximum reading distance of 1,000 mm.

The **DS4600A** is based on a real time decoder, with a powerful RISC processor, capable of providing exceptional price/performance solutions for the fastest and most sophisticated applications.

The **DS4600A** features a new auto learning function: the most suitable configuration is automatically achieved by simply positioning a bar code label in front of the scanner. As a result of the auto learning function, the **DS4600A** can be easily adjusted on the application without the need of a deep knowledge of barcode technology.

The **DS4600A** has got a practical display with keypad that both increase the scanner easiness of use by showing bar code data read (local echo), statistics data and running the autolearning function (no PC is needed).

The **DS4600A** is available on demand with an internal heater, which makes the scanner particularly suitable to work inside cold environments.

The outstanding reading characteristics and the extreme easy of use and flexibility of the **DS4600A** make this scanner suitable for a wide range of applications in the manufacturing industry, including automated warehousing, shop floor, data collection and WIP tracking.

With the **DS4600A** state-of-the-art technology Datalogic reinforces its leadership in the design, manufacture and distribution of bar code reading systems.



## MODELS AND ACCESSORIES

PRODUCT	DESCRIPTION	ORDER NO.
DS4600A-2200	High density linear optic	931061276
DS4600A-2210	High density, raster R1 optic	931061277
DS4600A-2220	High density raster R2 optic	931061278
DS4600A-2000	Medium range linear optic	931061271
DS4600A-2010	Medium range raster R1 optic	931061272
DS4600A-2020	Medium range raster R2 optic	931061273
DS4600A-2100	Long range linear optic	931061274
DS4600A-2005*	Medium range linear optic, internal heater	931061280
DS4600A-2015*	Medium range raster R1 optic, internal heater	931061281
DS4600A-2025*	Medium range raster R2 optic, internal heater	931061282
DS4600A-2105*	Long range linear optic, internal heater	931061283
<b>ACCESSORIES</b>		
PG110/DVE-1212A	12 Vdc Power block (110 Vac)	B9751057
PG220/DVE-1212A	12 Vdc Power block (220 Vac)	B9751027
C-BOX 100	Passive connection box	93ACCI510
C-BOX 200	Active connection box	93ACCI520
C-BOX 300	Profibus DP connection box	93A301000
C-BOX 310	Profibus DP connection box with display	93A301030
GFC-41	90° reading device	91D081000
OM4000	Industrial oscillating mirror	93A251030
INT-24	20 mA C.L. Active Interface Board	93A151000

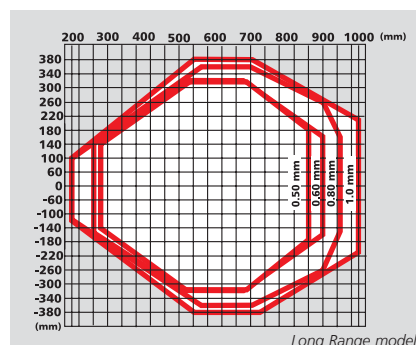
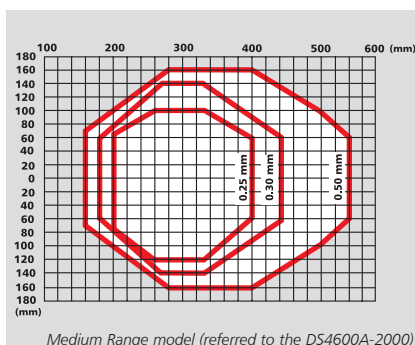
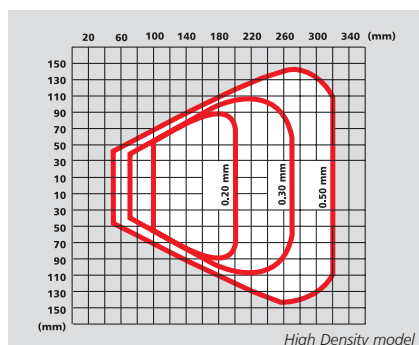
\* Versions on demand

## SPECIFICATIONS

POWER SUPPLY	10 to 30 Vdc	LED INDICATORS	'Ready', 'Reading phase active', 'Label present', 'Data transmit'
POWER CONSUMPTION	6 W max.	DISPLAY	Local echo, reading statistics
LIGHT SOURCE	Visible Laser Diode (658 nm)	LASER CLASSIFICATION	IEC 825 Class 2
MAX. RESOLUTION	0.2 mm (8 mils)	LASER CONTROL	Security system to turn laser Off in case of motor slow down or failure
SCAN RATE	800 scans/s	DIMENSIONS	101 x 83.5 x 42 mm (3.98 x 3.29 x 1.65 in.)
MAX. READING DISTANCE	see diagrams	WEIGHT	800 g (28.2 oz.) approx.
MAX. DEPTH OF FIELD	see diagrams	CASE MATERIAL	Cast aluminium
MAX. READING FIELD	see diagrams	OPERATING TEMPERATURE	0 to 40 °C (50°C for 22X0 versions) (32 to 104/130 °F), 30 to 40 °C (-22 to 104 °F) internal heater versions
READABLE CODES	Most popular standards incl. 2/5 family, Code 39, Code 93, Code 128, EAN/UPC, EAN 128	STORAGE TEMPERATURE	-20 to 70 °C (-4 to 158 °F)
MULTILABEL READING	Up to 6 different codes in the same presence sensor phase	HUMIDITY	90% non condensing
SERIAL INTERFACES	One RS232, one SW programmable RS232 / RS485 Multidrop	VIBRATION RESISTANCE	IEC 68-2-6 test FC 1.5 mm; 10 to 55 Hz; 2 hours on each axis
BAUD RATE	Up to 115.2 Kbauds (both serial interfaces)	SHOCK RESISTANCE	IEC 68-2-27 test EA 30 G; 11 ms; 3 shocks on each axis
INPUT SIGNAL	'Presence sensor' plus 2 programmable inputs (Optocoupled NPN/PNP transistor)	PROTECTION CLASS	IP65
OUTPUT SIGNALS	2 fully programmable digital outputs (Optocoupled NPN transistor open collector and emitter)		
PROGRAMMING METHOD	Through a serial interface (Winhost™ configuration program), or through auto-learning function		
OPERATING MODES	'On line', 'Serial On line', 'Automatic', 'Test'		



## READING DIAGRAMMS



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We reserve the right to make modifications and improvements

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### Datalogic Quality Partner

