

Chemical and Biomedical Analysis Machines

DS1100

General Description

Chemical and Biomedical Analysis Machines

Due to increasing analysis requests for determining illnesses and discovering new treatments, the number of test machine installations is growing rapidly.

Chemical and Biomedical Analysis Machines must be more compact and automated. To increase final test reliability, the sample to be analysed must be tracked at each step during the analysis process. To track the sample tube, a bar code label is applied and is read with a bar code reader during the test procedure to link the test result with the right sample.

The Need

Chemical and Biomedical Analysis machines require bar code readers able to read high resolution codes on a wide area from a close reading distance. The latest analysis machines are always more compact, so the scanner size is very important.

The Solution

Datalogic's **DS1100** scanner is characterized by an advanced optic system, called "FISH EYE," which drastically increases the reading angle, allowing you to read high resolution codes on all tubes used in the analysis process. The **DS1100** "FISH EYE," with its reduced dimensions and its straight or 90° output window, can fit in any machine reducing the overall dimensions.

Solution Benefits

- > "Fish Eye" technology for wide reading angle
- > 100 mm reading width (on 0.12 mm codes)
- > Excellent reading performance: 500 scans/sec
- > Compact dimensions
- > Light weight: Just 100 g
- > Cost effective solution

Model

- > DS1100-2100 SB2540

Order Number

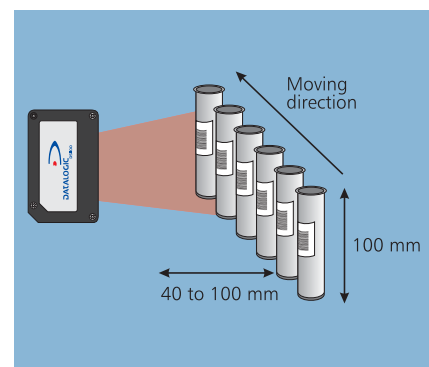
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Product



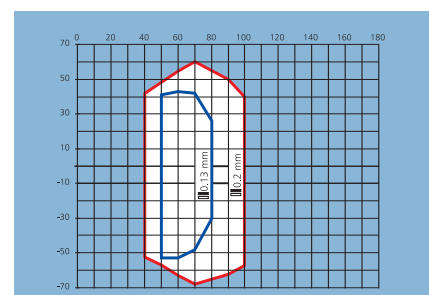
DS1100

Application Diagram



Application

Reading Diagram



DS1100-2100 SB2540 reading diagram