



DS2

957501200

DS2-05-07-165-JE

**AREASCAN™ DETECTION AND MEASUREMENT LIGHT
GRIDS WITH SERIAL OR ETHERNET INTERFACE**

OVERVIEW

- 6 or 25 mm resolution
- Relative measurement precision ± 6 mm or ± 22.5 mm
- 150 - 1650 mm controlled heights
- Operating distance up to 10 m
- PNP and 0-10 V Analog output and RS485 or Ethernet interface

TECHNICAL FEATURES

Detection properties

Nominal sensing distance	0,3...5m
Beams space	6,75mm
controlled height	1617mm
number of rays	231
Sensitivity adjustment	Dip-switch/GUI

Application

Function Principle	Emitter - Receiver
Description	Compact profile - res. 7 mm
Functions	Light array for detection and measurement

Outputs

Output type	PNP, 0-10 V, Ethernet
Response time	22ms

Electrical data

Operating Voltage	19,2...28,8VDC
No-Load supply current	< 250mA (emitter)
Load current	≤100mA
Output voltage drop	≤1,5V Iload = 100mA
LED indicators	Green (powerON) Yellow (state output) Red (failure)
Emission	Infrared (880nm)

Mechanical data

Dimensions	35x1730x40
Material	Metal - Aluminium / PMMA
Housing material	Aluminium
Connections	M12 Plug
Active Head Material	PMAA

Test/Approvals

Approvals

CE cULus

Accessories

Supplied Accessories

Fixing brackets

Generical Data

Dimensions

35x1730x40

Operating Temperature

0°C...+ 50° C

Mechanical Protection

IP65

Datasensing S.r.l.

Strada S.Caterina, 235
41122 Modena (MO)
Tel. 059 420411
Fax 059 253973
E-mail
info@datasensing.com

**date of
printing**
10/08/2026
02:04:40