# IT6xxx

Reliable identification of direct part marked codes

**SICK**
Sensor Intelligence.

## Technical data overview

| | |
|---|---|
| **Application** | Industrial, cordless  (depending on type) |
| **Readable code structures** | 1D, 2D, DPM, Stacked |
| **Code resolution** | ≥ 0.13 mm  (depending on type) |
| **Reading distance** | 0 mm ... 150 mm [1]  (depending on type) |
| **Sensor** | 1.280 x 960 px |
| **Ambient operating temperature** | 0 °C ... +50 °C |
| **Enclosure rating** | IP54 |
| **Shock resistance** | 50 drops from 2 m height on concrete<br>25 drops from 2 m height on concrete |

[1] For details see reading field diagram.

## Product description

The IT6300 DPM series offers decoding algorithms specially designed for dealing with the challenges of direct part marked codes. With this scanner, it is now possible to find and decode low contrast or poor quality codes. By combining innovative optics, specialized software and durability, the IT6300 DPM series is the ideal solution for direct part marking applications. The DPM hand-held scanners are available in tethered as well as in cordless versions.

## At a glance

• Illumination adjustable to application
• Decoding algorithms ideal for direct part marked codes
• USB, RS-232, PS/2 interfaces
• IP54 enclosure rating

## Your benefits

• One device capable of reading various marking technologies
• Low contrast or highly reflective DPM codes are recognized safely
• Rugged, ergonomic design ensures reliability under harsh conditions
• Cordless version provides flexibility

## Ordering information

Other models and accessories ➜ www.sick.com/IT6xxx

- **Readable code structures:** 1D, 2D, DPM, Stacked
- **Reading distance:** 0 mm ... 150 mm (For details see reading field diagram.)

| Code resolution | Scanner design | Application | Note | Ambient operating temperature | Type | Part no. |
|---|---|---|---|---|---|---|
| ≥ 0.19 mm | 2D DPM handheld scanner | Industrial | Additional accessories may be necessary for some communication interfaces (details available online) | 0 °C ... +50 °C | IT6300 DPM-LR | 6035059 |

- **Readable code structures:** 1D, 2D, DPM, Stacked
- **Reading distance:** 0 mm ... 50 mm (For details see reading field diagram.)
- **Scanner design:** 2D DPM handheld scanner
- **Application:** cordless, Industrial
- **Note:** Additional accessories may be necessary for some communication interfaces (details available online)

| Code resolution | Items supplied | Ambient operating temperature | Type | Part no. |
|---|---|---|---|---|
| ≥ 0.13 m | Kit | – | IT6320 DPM USB KIT EU | 6032813 |
| ≥ 0.13 mm | – | 0 °C ... +50 °C | IT6320 DPM | 6032814 |

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

**For us, that is "Sensor Intelligence."**

## WORLDWIDE PRESENCE:

Contacts and other locations –**www.sick.com**

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