

ISO/ANSI 及び GS1 規格の測定開口径等の規定項目

ANSI X3.182 規格測定スキャナの測定開口径ガイダンス

| X エlement幅 m m | 測定開口径 | MIL=1/1000inch |
|------------------|---------|----------------|
| 0.102<= X <0.178 | 0.076mm | 03 |
| 0.178<= X <0.330 | 0.127mm | 05 |
| 0.330<= X <0.635 | 0.254mm | 10 |
| 0.635 X =< | 0.508mm | 20 |

ISO/IEC15416 規格/JISX0520 規格測定スキャナの測定開口径ガイダンス

| X エlement幅 m m | 測定開口径 | MIL=1/1000inch |
|------------------|---------|----------------|
| 0.100<= X <0.180 | 0.075mm | 03 |
| 0.180<= X <0.330 | 0.125mm | 05 |
| 0.330<= X <0.635 | 0.250mm | 10 |
| 0.635 X* < | 0.500mm | 20 |

但し、*の符号"<"は ISO 規格原文から抜粋していますが、正しくは"<="であると考えられます。

GS1 規格 各シンボルの印字品質等の要求仕様について

| Symbology | Application or ID Code | ISO (ANSI) Symbol Grade | Aperture | Wavelength |
|----------------------------------|--|-------------------------|--|--------------|
| EAN/UPC | GTIN-8 | 1.5 (C) | 6 mils | 670 nm +/-10 |
| EAN/UPC | GTIN -12 | 1.5 (C) | 6 mils | 670 nm +/-10 |
| EAN/UPC | GTIN -13 | 1.5 (C) | 6 mils | 670 nm +/-10 |
| GS1-128 | Extended Coupon Code | 1.5 (C) | 6 mils | 670 nm +/-10 |
| GS1-128 | GTIN -12/GTIN-13/GTIN-14 | 1.5 (C) | 10 mils | 670 nm +/-10 |
| GS1-128 | SSCC | 1.5 (C) | 10 mils | 670 nm +/-10 |
| GS1-128 | Small Shipping Packages | 1.5 (C) | 10 mils | 670 nm +/-10 |
| ITF-14 (<0.635 mm (0.025 in.) X) | GTIN -12/GTIN-13/GTIN-14 | 1.5 (C) | 10 mils | 670 nm +/-10 |
| ITF-14 (≥0.635 mm (0.025 in.) X) | GTIN -12/GTIN-13/GTIN-14 | 0.5 (D) | 20 mils | 670 nm +/-10 |
| GS1 DataBar and Composite | GTIN -12/GTIN-13/GTIN-14 And Other Als | 1.5 (C) | 6 mils | 670 nm +/-10 |
| GS1 Data Matrix | Direct Part Marking, Regulated Healthcare Retail or Non Retail Consumer Trade Items Extended Packaging | 1.5 (C) | See Symbol Specification Tables 6,7,8 and 10 for values. | 670 nm +/-10 |
| GS1 QR Code | Extended Packaging Limited use to AI(8200) in association with mandatory GTN-8,GTIN-12,GTIN-13 | 1.5 (C) | See Symbol Specification Tables 1 Addendum for values. | 670 nm +/-10 |

Note: An EAN/UPC-based symbol SHALL be verified using a 6 mils (0.006 inch) aperture, a 670 nanometres +/-10 nanometres wavelength of light, and requires a minimum symbol grade of 1.5 (overall symbol grade on a 4.0 scale) equivalent to a "C" under the ANSI X3.182 standard. In the Symbol Specification Tables that follow, as well as on a typical bar code purchase order, this is expressed as 1.5/06/670.

*GS1 General Specifications2013 より抜粋