

Handheld marking unit 313

Technical data sheet



- Marking area 120 x 20 mm (X/Y)
- Diversity of marking technologies: stylus or dot marking
- DataMatrix coding (ECC200)
- Compact and solid portable marking unit for flexible marking of bulky components
- Robust ball bearing spindles and carriage with circular ball track in both axes
- Drive with powerful stepping motors
- Marking controller: EK2-Box with membrane keyboard and display, protection class IP 53



Application area

This easily transportable handheld unit for dot marking, stylus and DataMatrix coding is best suited for many areas in industrial applications where readable markings on materials like steel and aluminium are required. Due to its good ergonomical features and its easy way of operating the device it is eminently suited for usage in workshops, in quality control and in stock management. The marking unit 313 is a portable marking device and is operated manually. Even with larger font sizes markings of single or multi lines are possible. This marking unit is available with table and column for a flexible handling.

The model 313 is setting new standards with a weight of only 5.5 kg. Measuring rather small it still offers a large marking area of 120 x 20 mm. With the help of quick changing optional workpiece support it is possible to adapt to almost all workpiece geometries.

With the compact marking-controller there are numerous possibilities of data input via PC, barcode-scanner, SPS or the integrated membrane keyboard. Simple compilation and selection of the marking tasks is taking place. Font heights and font widths are freely scalable.

Options

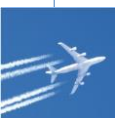
- Table and column with mechanic quick-change adapter and fine adjustment (Z-position)
- Positive stop depending on application
- Dirt cover at the bottom of the marking unit



Technical data

| Property | Measure, Unit, Explanation |
|---|---|
| Dimensions marking unit (W x D x H) | 360 x 166 x 213 mm (without applications) |
| Marking area (X, Y) | 120 x 20 mm |
| Weight (without controller) | approx. 4.5 kg |
| Marking speed (depending on character size and shape, marking process and motorization) | up to 6 characters/ second |
| Character height | from 1 mm (enhancing in 0.1 mm steps) |
| Documentation | German, English or French other languages are optional |
| Penetration depth marking tip (depending on material, marking head and marking process) | approx. 0.01 – 0.5 mm (see data sheet marking heads) |
| Font | DIN 1451, 7 x 5 dot marking DataMatrix other fonts are optional |
| Special signs, logos | according to specification |
| Marking direction | straight line, angle or circular arc |
| Power supply | |
| Power supply with connecting cable | 230 V AC ± 10 %, 50/60 Hz or 115 V AC ± 10 %, 50/60 Hz switchable |
| Pneumatic connection (supply pressure) technically provided compressed air | At least 5 bar dried, oil-free, filtered with 50 µm |
| Working pressure (marking pressure) | At least 2 bar up to max. 4 bar |

Technical details are subject to change.



313 optional with table and column



Workpiece support for flat workpieces



Prism holder for round workpieces are optional

