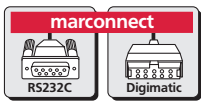


Statistics Printer MSP 2 with integrated Data Logger



The above illustration shows the use of the Statistics Printer in the Transport Bag MSP 2t

Features

- Areas of application include; incoming goods department, on the production floor, in quality assurance department and in dispatch
- Can be connected to any of the following: Mahr Hand Measuring Instruments, Mahr Millimetre Instruments, Digimatic compatible instruments and measuring instruments with a RS232C interface
- Two-line display for a simple dialog mode
- Real-time clock with date
- Measured values can easily be stored and transferred to a PC
- The following statistical parameters can be determined: process mean \bar{x} , range R, standard deviation σ and $\sigma-1$, Min and Max of the measured values, $> UTol$, $< LTol$, machine capability Cm and Cmk , process capability Cp and Cpk for sampling sizes 2-25
- 3 types of print protocols: statistics, statistics with a histogram, sample charts
- List of measured values can be printed from the memory at any time
- Individual values can be chosen and deleted as desired
- Quiet and fast Thermo-printer (5 lines/sec.)
- Automatic data transfer with adjustable time interval parameter from between 1 sec. to 99 hrs.
- Alternative power sources include: mains adapter (100 - 240 V, batteries or NIMH-accumulator, type AA)
- Can be deployed as an interface to the PC
- Languages can be selected, German, English and French
- Supplied with: Mains adapter, paper roll

Technical Data

| | |
|-------------------------------|----------------------|
| Max. measured values | 999 |
| Characters per line | 24 |
| Paper width | 58 mm |
| Paper length | 25 m |
| LxWxH | 215 x 116 x 85 mm |
| Battery operation at 1100 mAh | > 7000 printed lines |
| Data logger powered by accu. | ca. 24 Hrs. |
| Protection class | IP40 |
| Total weight incl. accu. | 600 g |




Order no. 4102040

Accessories

| | Order no. |
|--|------------------|
| Foot Switch to trigger data transmission | 4102058 |
| Paper Rolls 1 Pack = 5 rolls | 4102041 |
| Transport Bag MSP 2t | 4102042 |
| Data Cable to connect MSP 2 to a PC (Data transfer / Interface mode) | 4102711 |
| Data Cable for connecting measuring instruments See cable overview on Page 11-8 | |
| MarCom Software see Page 11-3 | |

MarConnect. Interfaces

Overview

| Connect to ... Instrument | PC | | | |
|--|--|---|---|--------------------|
| |  direct via USB and MarCom Software |  direct via RS232C and MarCom Software |  via Digi-USB 1 | via T-Box |
| Foot Switch | 4102058+4102782 ③ | 4102058+4102782 ②③ | ----- | 4102556 |
| 16 EX / EXC 16 EXV 18 EX 30 EX / EXN 40 EX, 40 EWS, 40 EWW, 46 EX, 44 EX 1075, 1080, 1081, 1086, 1087 814 S | 4102357 | 4102410 | 4102411 | 4102411 |
| 2000, 2001, 2100 1088 | 4346023 | 4346020 | 4346021 | 4346021 |
| 838 EA, 838 EI | ----- | ----- | 4495084 ⑥ | 4495084 ⑥ |
| Maxµm III (10 pin output) (6 pin output) | ----- | ----- | 2239038 2239036 | 2239037 2239035 |
| µMaxµm, µMaxµm XL | ----- | SCB-4 | 2001025 | 2001025 |
| 25 ES 30 EWD 31 ES, 32 ES 106 ES M 814 | 4102510+4102330 | 4102510 | ----- | 4102510 |
| MSP 2 | 4102711+4102334 ④ | 4102711 ④ | ----- | ----- |
| 1240, S1840, C1245, C1208, C1216 | 7024634+4102331 ⑤ | 7024634 ⑤ | ----- | 4102715 |
| Digimar CX 1, CX 2, 817 CLM | 7024634+4102333 ④ | 7024634 ④ | ----- | ----- |

① Only available in North America, Canada and Mexico

② Foot switch; only with an additional USB Port


③ Cable length 18 cm / 7"

④ Data transmission only with the "Data" key or "automatic transmission" on the measuring instrument

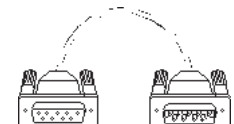
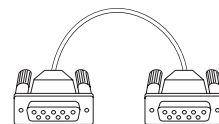
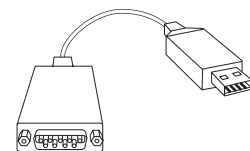
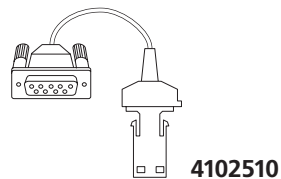
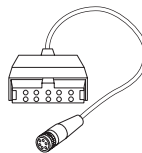
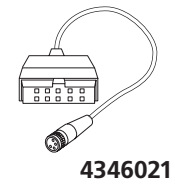
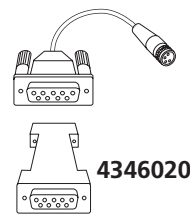
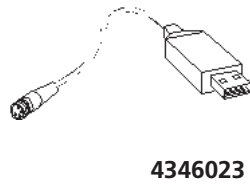
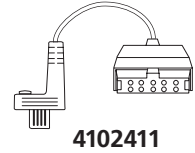
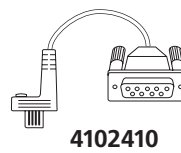
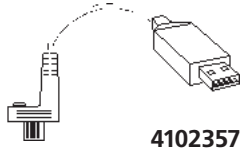
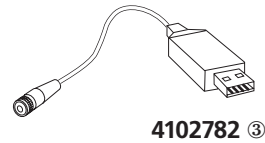
⑤ Foot switch to transfer data on the measuring instrument

Millimar - Order no. 5330956 / Millimar 1240 - Order no. 5312431

▶ | **MarConnect.** Regardless of which interface standard you use, whether; USB, OptoRS232 oder Digimatic, MarConnect always provides you with the optimum connection. | ◀

| | |
|--|-------------------------------------|
|  Transmitter ① FM 1 via USB | Data printer MSP 2 |
| ----- | 4102058 |
| 4102321 | 4102411 |
| ----- | 4346021 |
| Contact Mahr Federal | 4495084 ⑥ |
| ----- | 2239037 2239035 |
| Contact Mahr Federal | 2001025 |
| 4102322 | 4102510 |
| ----- | ----- |
| 2121315 ⑦ | 7024634 |
| 2121315 | 7024634 ④ |

Standard cable length 2 m



⑥ Cable length 1.5 m / 5 ft
⑦ Not for Millimar 1240