



JX6-INT1
Versions Update
from V1.00 to V1.24



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1 Introduction

The JX6-INT version is shown in register 1xy163:

Overview of Version Update			
Version	Function	expanded	corrected
1.00	first version that has been produced	✓	✓
1.01	<ul style="list-style-type: none"> • Mettler 1.01 • Implementation of the version numbers in all protocols 		✓
1.10	<ul style="list-style-type: none"> • Mettler 1.02 • RemoteScan 1.01 • PRIM 1.01 • Implementation of the JETWay Multimaster protocol 1.00 	✓ ✓ ✓	✓
1.11	<ul style="list-style-type: none"> • PRIM 1.02 		✓
1.12	<ul style="list-style-type: none"> • PRIM 1.03 • Wipotec 1.01 	✓	✓
1.13	<ul style="list-style-type: none"> • Start-up 1.01: If the JETWay was used on both ports, some characters could be lost. • The start-up version is visible in register 1xy162 	✓	✓
1.14	<ul style="list-style-type: none"> • PRIM 1.04 		✓
1.20	<ul style="list-style-type: none"> • PRIM 1.05 • Barcode 1.00 	✓	✓
1.22	<ul style="list-style-type: none"> • Master 1.01 • RemoteScan 1.02 		✓ ✓
1.23	<ul style="list-style-type: none"> • PRIM 1.06 		✓
1.24	<ul style="list-style-type: none"> • Mettler 1.03 	✓	

2 PRIM-Protocol

If the value of the protocol register 1xyp10 equals 1, the latest version of the PRIM protocol is shown in register 1xyp09:

2.1 PRIM Version 1.01

- Alterations for RemoteScan: 50µs interrupt, subroutine for register 1xyp07
- Alterations for initialising the interface component, if during start-up an interrupt has occurred.

2.2 PRIM Version 1.02

Fault fixing during sending with RS485/2 and RS485/4. This error first occurred in version PRIM 1.01.

2.3 PRIM Version 1.03

Fault fixing during reception with the help of hardware flow control. Although, after reaching 240 characters in the receiving buffer, Bit 7 had been set in the status register, the RTS transmission would not be changed. This error also affected high-level protocols with hardware flow-control.

This error first occurred in version PRIM 1.10.

In the GetChar function, which is used by various high-level protocols, no handling of the RTS transmission is integrated. From now on, resetting of the RTS transmission in case of falling below 224 characters in the receiving buffer will be carried out.

2.4 PRIM Version 1.04

Error correction during sending. When several characters were written into register 1xyp02 quickly one after the other, it occurred that a character was written to the receive buffer. The same error could occur, if a hilevel protocol sends a telegram.

This error first occurred in version PRIM 1.00.

2.5 PRIM Version 1.05

A bug that occurred when receiving with JETWay has been fixed. When the JETWay was activated while communication of other JETWay participants was going on, internal overflow sometimes occurred. In this case, the D-INT1 was not able any more to participate in the JETWay.

This error first occurred in version PRIM 1.00.

2.6 PRIM Version 1.06

Modification when switching off RS485 drivers. Due to modified switching off, the driver for RS485/2 and RS485/4 is already switched off after 100µs after the stop bit of the last character. For RS485/4, no full-duplex operation is possible anymore starting from this version.

3 Barcode Protocol

If the content of register 1xyp10 equals 2, the latest version for the Barcode protocol will be shown in version register 1xyp09:

Latest version: 1.00

4 JETWay Multimaster Protocol

If the content of register 1xyp10 equals 5, the latest version for the JETWay Multimaster protocol will be shown in version register 1xyp09:

4.1 JETWay Multimaster Version 1.01

- Modification when switching off the RS485-drivers after transmission: in case of an error it occurred that a response telegram led to a parity error when being received. This resulted in timeout errors or checksum errors (see scan-protocol 1.02).

5 Wipotec Protocol

If the content of the protocol register 1xyp10 equals 6, the latest version for the Wipotec protocol will be shown in version register 1xyp09:

5.1 Wipotec Version 1.01

Transmission of the serial number

- Wipotec weight cells up to version 1.14:
The weight cell recognition is transferred by the weighing systems according to the "KV" requests; the serial number consists of 4 or 5 digits.
- Wipotec weight cells starting from version 1.15:
The weight cell recognition is transferred by the weighing systems according to the "KV" requests; the serial number consists of 4 digits.
In case of "KK" requests, the serial number is transferred in 5-digit sequences of the weight cell recognition.

From now on, a request made by the new Wipotec version will be started by "KK":

- A weighing system of version 1.15 or a later one will answer the request by giving a 5-digit serial number in the weight cell recognition.
- A weighing system up to version 1.14 will answer the request by reporting format error "E014". After this, the INT5 will try to transmit the former "KV" request, which will be answered by the weighing system by transmitting the 4- or 5-digit serial number.

6 Mettler Protocol

If the content of the protocol register 1xyp10 equals 8, the latest version for the Mettler protocol will be shown by version register 1xyp09:

6.1 Mettler Version 1.01

Bugfix

Termination of Continuous Measuring

When command 18 was given, while a measuring protocol was being received by the D-INT, the incoming protocol would be destroyed, and no protocol bits would be shown in the status display. Starting from this new version, the correct protocol bits will be displayed.

6.2 Mettler Version 1.02

Internal alteration

6.3 Mettler Version 1.03

Counterbalance the scale:

The command 21 sends the telegram „T“ to the scale.
After receipt the counterbalance load can be read from the register 1xyp17.

Register 1xyp17:	
Function	Description
Read	Load of the counterbalance
Write	Not useful
Value Range	-8388608 ... +8388607
Reset Value	0

After giving command 21, the load of the counterbalance can be read here.

Example: If the scales transmit "200,000 g" as counterbalance load and there are three number of decimal positions defined, value 200,000 will be written into register 1xyp17 after this.

7 DUST Protocol

If the content of the protocol register 1xyp10 equals 9, the latest version for the DUST protocol will be shown by version register 1xyp09:

Latest version: 1.00

8 RemoteScan Protocol

If the content of the protocol register 1xyp10 equals 9, the latest version for the RemoteScan protocol will be shown by version register 1xyp09:

8.1 RemoteScan Version 1.01

Internal alteration: DISABLE-ENABLE has been deleted.

8.2 RemoteScan Version 1.02

- Modification when switching off the RS485-drivers after transmission: in case of an error it occurred that a response telegram led to a parity error when being received. This resulted in timeout errors or checksum errors (see Jetway Multimaster-protocol 1.01).

9 HPGL Protocol

If the content of the protocol register 1xyp10 equals 11, the latest version for the HPGL protocol will be shown by version register 1xyp09:

Latest version: 1.00
