

04.4118.01 MAS-100 ISO NT IP54 INSTALLATION



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1. CHANGE HISTORY

V.	Comments	Date	Resp.
1	First version	2018.03.27	LF

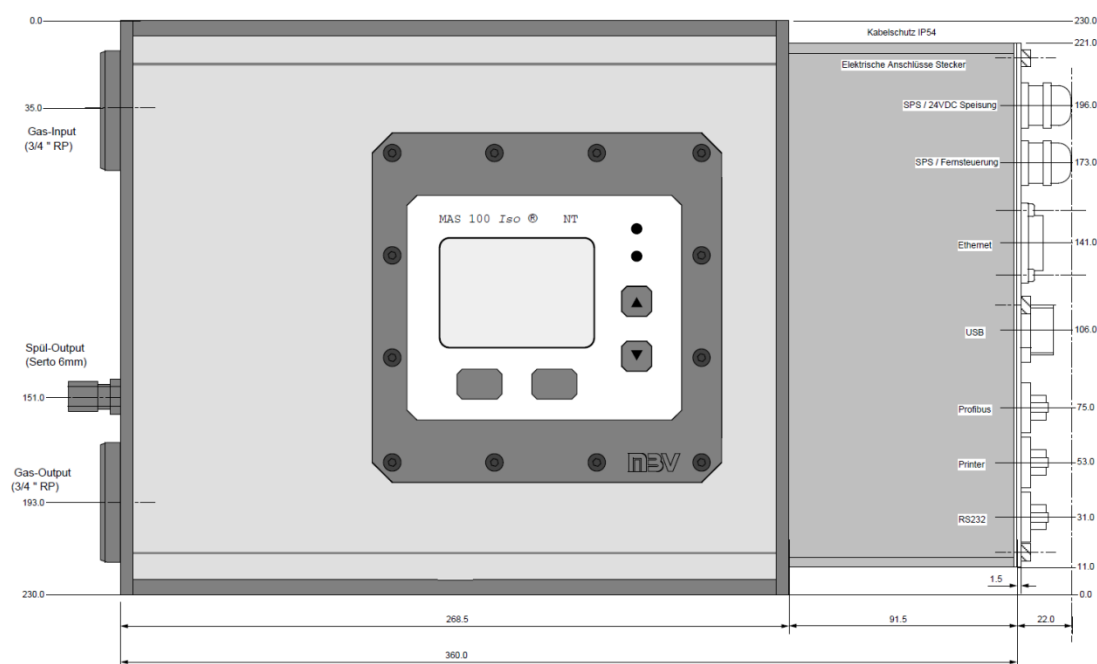
2. GENERAL INFORMATION

This Installation guide should help installing the IP54 Kit onto an MAS-100 Iso NT instrument.

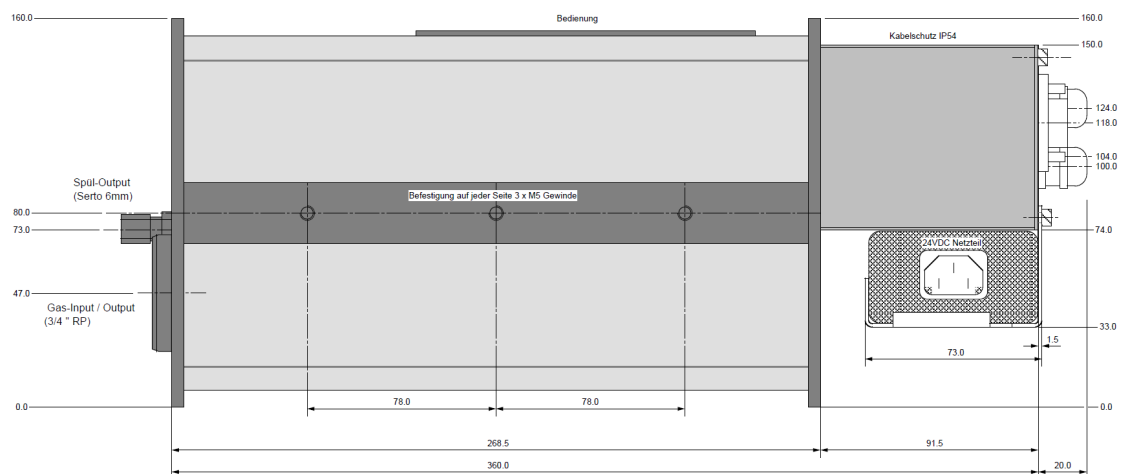
Additional information about the interfaces can be found in the instruments hardware, installation and communication manual.

3. DRAWINGS

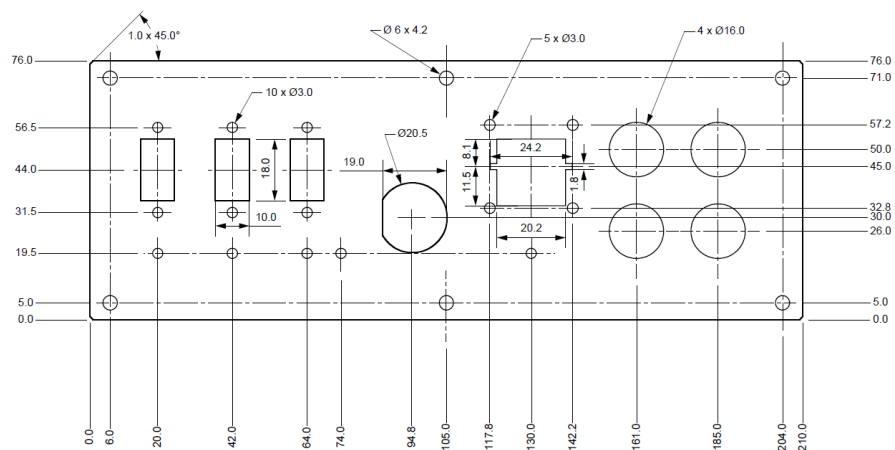
Top view



Side view

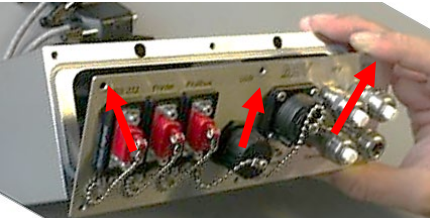


Connector plate



4. PROCEDURE

No.	Description
1	If the instrument is equipped with a frame around the instruments electrical connections, please remove it first.  The image shows the front panel of the MAS-100 Iso NT interface panel. It features several connectors and labels: X7 PROIBUS (RUN-G, RUN-Y, ERR-R, ERR-Y), X8 ETHERNET (LNK, ERR), X9 D-INPUT (pins 10-18), X6 PRINTER, X5 RS232, X4 USB, X3 REMOTE (pins 1-4), X2 D-OUTPUT (pins 1-9), and X1 POWER (+24V, GND). A green terminal block is visible on the right side.
2	Carefully unpack the IP54 Kit  The image shows a package of the IP54 Kit, which is wrapped in bubble wrap. A red label with the word "Caution!" and "sensitive electronic equipment" is visible on the package.
3	Dismantle the PSU holder with 3 screws.  The image shows a hand using a screwdriver to remove a PSU holder from the interface panel. The holder is a metal plate with several screws.
4	Dismantle the connector plate with 3 screws.  The image shows a hand using a screwdriver to remove a connector plate from the interface panel. The plate is a metal plate with several screws.
5	Connect all pre-assembled and additionally needed cables (depending on the installation requirements) in the according connector (X...) of the MAS-100 Iso NT interface panel.

6	The power supply secondary cable should be shortened to 620mm, the power connector must be disassembled using a small screwdriver to open the connector housing and remove the wires. Before re-assembling the power connector, use the cable grommet for small diameter power cables delivered with the IP54 Kit to slide it over the cable and through the according PG gland. Assemble the power connector. The white or marked wire is the plus pole (+24V), connect as shown (from connector bottom side): 
7	Mount the IP54 housing using the 4 long screws as shown hereafter. Do not overtighten the screws! 
8	Fix the connector plate with the 3 screws. 
9	The power supply and its cable should be routed as following onto the bottom side of the IP54 housing. 
10	Re-assemble the power supply holder with 3 screws and make sure the power supply is fixed and no cable pinched. 
11	Tighten the PG gland(s) after the IP54 housing, the connector plate and the power supply holder is fixed.