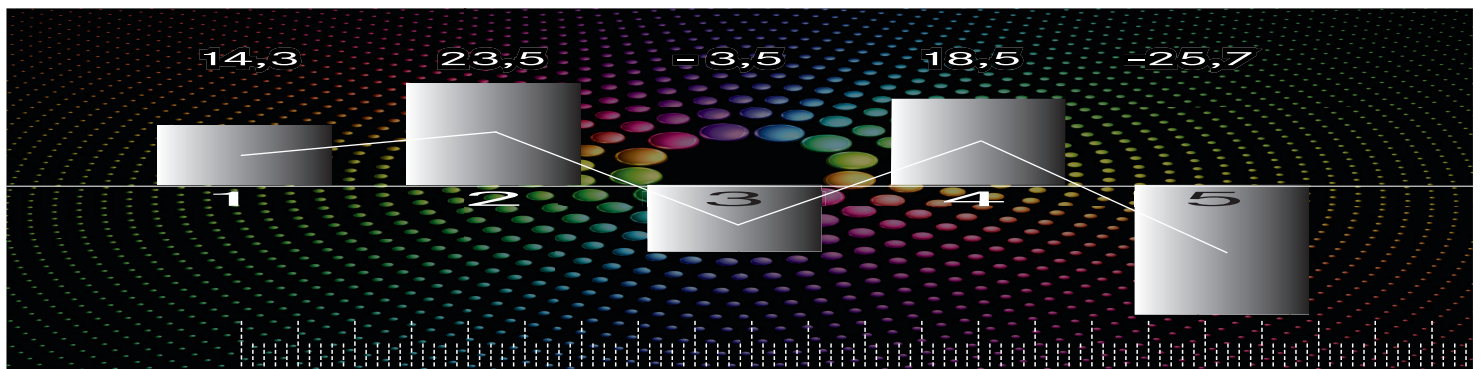




Multiple measuring and control unit



MSG-CL

# MSG-CL

## Short Description

The pneumatic electronic measuring and control unit MSG-CL is the further development of the MSG-64L. The MSG-CL can have four inductive inputs on the rear panel and 8 pneumatic or inductive inputs can be used on the front panel.

In addition the MSG-CL inputs for the connection of several Stotz-ITB-16 box for the operation of 16 additional Inductive probes for each input.

Even the basic version includes a variety of interfaces to the respective standard protocols (LAN, Dig. I / O 8/8 opto, RS232, USB). As an extension interface is a profibus interface (slave), a Dig. I / O opto 16 and a 2nd LAN interface are available.

The program selection is done either via a keyboard or directly via touchscreen. With the color display all input settings can be edited.

The MSM / MRA editor available in the basic version programs can be copied, modified and saved. Statistical features are included and a remote control module are also switchable.



| Position | Description                          |
|----------|--------------------------------------|
| 1        | On/Off Switch                        |
| 2        | Power Supply 100/230 Volt autoswitch |
| 3        | Digital Interface 8 x I/O Opto       |
| 4        | Serial Interface RS 232              |
| 5        | Connection for external WT keyboard  |
| 6        | LAN Interface                        |
| 7        | USB Interface                        |
| 8        | Compressed Air Supply                |
| 9        | Optional Interface                   |
| 10       | Optional Interface                   |
| 11       | Optional Profibus Interface          |
| 12       | 4 Inductive inputs (LVDT)            |



| Position | Description                       |
|----------|-----------------------------------|
| 1        | 10 inch color touchscreen display |
| 2        | On/Off Switch                     |
| 3        | 8 Pneumatic channels              |
| 4        | USB interface                     |

## Input Box ITB-16



## Technical Data MSG-CL

| Basic Device              |                               |
|---------------------------|-------------------------------|
| External Power supply     | 100-230 V AC; 40-60 Hz; 40 VA |
| Graphic display           | 10"                           |
| Measuring programs        | 18                            |
| Connection for keyboard   | 1                             |
| Digital I/O 8/8 opto      | Standard protocol             |
| Pneumatic Meas. channels  | 0                             |
| Serial Interface RS232    | Standard protocol             |
| USB Interface 2.0         | Standard protocol             |
| Program Editor            | MSM/MRA                       |
| Real Time clock           | available                     |
| Ingress Protection        | IP 52                         |
| Dimens. (WxHxD) w/o stand | 265 x 275 x 180 mm            |

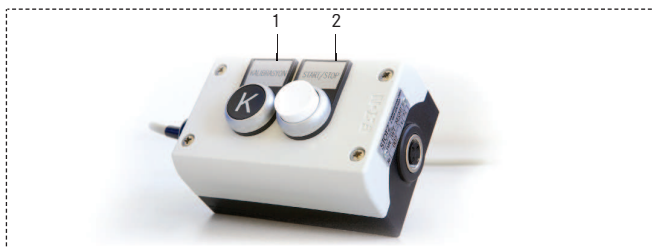
### Optional Equipment

|                                       |                               |
|---------------------------------------|-------------------------------|
| Pneumatic Measuring channels          | 4/8 Front                     |
| Inductive inputs - LVDT (half-bridge) | 4 Rear<br>4/8 Front           |
| Measuring programs                    | upto 99                       |
| Measuring air shutoff                 | 4/8 Measuring channels        |
| 2nd LAN interface                     | 1                             |
| Profibus Interface (Slave)            | Standard format               |
| DIO 16 Opto                           | without internal power supply |
| Software expansion                    | Statistical functions         |
| Software expansion                    | Remote Maintenance module     |
| Network access (passive)              | File-Server (USB Interface)   |
| Network access (active)               | File-Client (LAN-Interface)   |

### Accessories

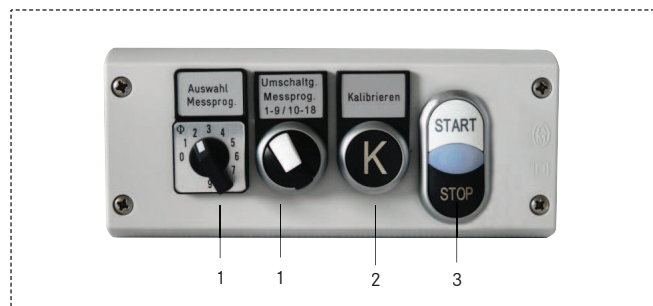
|                      |                                     |
|----------------------|-------------------------------------|
| Keyboard             | Numeric 10 key USB                  |
| Keyboard             | WT-MSM 1, WT-MSM 2, WT-MSM 3        |
| Keyboard             | WT-MSG 1, WT-MSG99-CL               |
| Keyboard Set         | PC keyboard, Mouse, USB hub         |
| Programming Software | Program Designer SPC-PD 3 Expansion |

## Keyboard WT-MSM-1



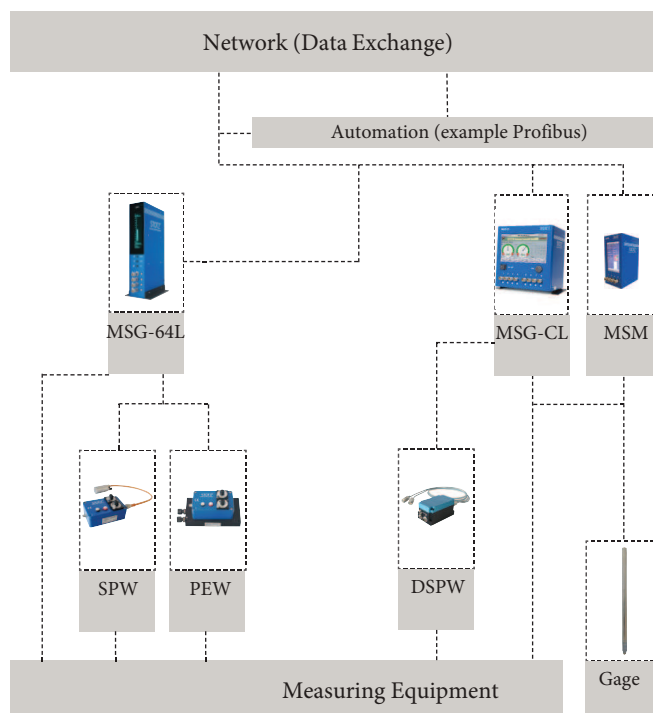
| Position | Description               |
|----------|---------------------------|
| 1        | Manual Calibration button |
| 2        | Start/Stop button         |

## Keyboard WT-MSG-1



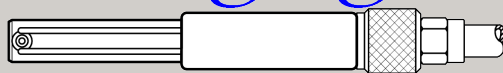
| Position | Description        |
|----------|--------------------|
| 1        | Program Selection  |
| 2        | Manual Calibration |
| 3        | Start/Stop button  |

## Network Plan





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