






## Transmitters for electromagnetic inductive flow sensors

- Must be combined with sensor Type S051, S054, S055 or S056
- Continuous measurement, high accuracy
- Different housing shapes and materials available
- Compact and remote design selectable, available with or without display

Product variants described in the data sheet may differ from the product presentation and description.

### Can be combined with

	<b>Type S051</b> ▶ Magnetic-inductive flow sensor for low flow rates
	<b>Type S054</b> ▶ Magnetic-inductive sensor without flange (wafer connection)
	<b>Type S055</b> ▶ Magnetic-inductive sensor with flange
	<b>Type S056</b> ▶ Magnetic-inductive sensor with hygienic process connections

### Type description

The transmitter Type SE58 (in S, M or L version) combined with the electromagnetic flow sensor (in compact or remote version) Type S051, S054, S055 or S056 is designed for applications with a minimum conductivity of 5  $\mu\text{S}/\text{cm}$ .

- SE58 S:  
This transmitter variant can only be used to build a compact flowmeter version, with or without display. It is characterised by small external dimensions and
  - for a version without display, by a housing and cover in black painted aluminium or stainless steel,
  - for a version with display, by a black painted aluminium or stainless steel housing and a plastic cover.
 The display is integrated in the cover. The flow rate and totalizer values are displayed simultaneously, but also symbols for the status of the device and alarms.  
The flow rate measurement can be transferred via a digital or an analogue output. The achievable uncertainty is 0.5 % of the measured value. Enhancements with IO-signals and extended functions like Batch are not possible.
- SE58 M and SE58 L:  
These transmitter variants, with painted aluminium, plastic or stainless steel housings, are available to build a compact or remote flowmeter version, with or without display.  
Enhancements with IO-signals are possible, the complete scope of functionality e.g. Batch (only SE58 L) and data logger is available. The Human Machine Interface (HMI) including display and operating keys allow selectable flexible data presentations, complete parameter settings and device configuration.  
The L version is characterised by higher performance as shown by the lower uncertainty of 0.2 % of the measured value compared to 0.4 % (option) and 0.8 % coming of the M version.

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## 1. General technical data

### 1.1. About the device

The SE58 transmitter is available in three versions:

- SE58 L available with an aluminium, plastic or stainless steel housing and cable glands, with or without display, compact or remote design
- SE58 M available with an aluminium, plastic or stainless steel housing and cable glands, with or without display, compact or remote design
- SE58 S available with an aluminium or stainless steel housing, M12 connector or one cable gland with connected cable and with or without display, no remote version



Settings for SE58 L and SE58 M can be done using the operator keys or by USB cable and PC tool MCP. However, any changes using MCP are not recommended, unless:

- after receiving corresponding training by Burkert,
- done by professional,
- agreed by the end user, and
- done inline with the MCP manual.

All transmitters are intended for use with electromagnetic flow sensors Type S051, S054, S055 or S056.

Detailed information can be found in the data sheets of the electromagnetic-inductive flow sensors, see [data sheet Type S051](#) ▶, [data sheet Type S054](#) ▶, [data sheet Type S055](#) ▶, [data sheet Type S056](#) ▶.

### 1.2. SE58 L transmitter



Product properties	
<b>Material</b>	
Housing	<ul style="list-style-type: none"> <li>• Painted aluminium die casting or</li> <li>• Nylon reinforced (PA6) with 15 % of glass fibre or</li> <li>• Stainless steel 304 (1.4301) electro-polished</li> </ul>
Front panel film	Polyester
Protection cover	PC
Cable gland	PA
Seal	Silicone
Dimensions	Detailed information can be found in chapter <a href="#">"2. Dimensions"</a> on page 9.
Compatibility	Electromagnetic flow sensors Type S051, S054, S055, S056 in compact or remote version Detailed information can be found in data sheets, see <a href="#">data sheet Type S051</a> ▶, <a href="#">data sheet Type S054</a> ▶, <a href="#">data sheet Type S055</a> ▶, <a href="#">data sheet Type S056</a> ▶.
Display	Graphic display 8 lines x 16 characters, 128 x 64 pixels with back light
Keyboard	3 operator keys
Data-logger (option)	A Micro-SD memory card 4 GBytes stores the selected data in a specified interval

Special function	<ul style="list-style-type: none"> <li>• Bidirectional measure</li> <li>• Dual measurement range</li> <li>• Diagnostic functions such as device self tests and process diagnostics like empty-pipe<sup>1)</sup> or measurement value limit detection</li> <li>• Batch filling functions</li> </ul>
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#### Performance data

At reference conditions and according to internal test procedures:

- At room temperature
- Constant flow rate during the test, liquid speed > 1 m/s
- Pressure: >30 Kpa
- Flow condition: observed inlet and outlet conditions
- Zero point stability:  $\pm 0.005\%$
- Default configuration if ordered together with sensor Type S051, S054, S055, S056. Detailed information can be found in chapter "3.2. Default configuration" on page 14.

Measurement deviation	$\leq \pm 0.2\%$ of the measured value for flow velocity > 0.5 m/s Detailed information can be found in chapter "3.1. Measurement deviation diagram" on page 13.
Repeatability	$\leq \pm 0.1\%$ of the measured value for flow velocity > 0.5 m/s
Response time	Minimum time <ul style="list-style-type: none"> <li>• for analogue output (AO), when damping setting is deactivated and according to sensor size: <ul style="list-style-type: none"> <li>– DN 03...DN 250: 20 ms</li> <li>– DN 300...DN 400: 100 ms</li> </ul> </li> <li>• for digital output: 100 ms (no matter the sensor size)</li> </ul>

#### Electrical data

Operating voltage	<ul style="list-style-type: none"> <li>• 100...240 V AC, 44 Hz...66 Hz</li> <li>• 12...48 V DC</li> <li>• Others on request</li> </ul>
Power consumption	Max. 20 VA with 100...240 V AC operating voltage
Input	1 digital, function use is configurable (e.g. Totalizer reset)
Output	<ul style="list-style-type: none"> <li>• Transistor: 2 digital outputs (DO), both with open collector configurable as <ul style="list-style-type: none"> <li>– pulse/frequency (1250 Hz, max. 100 mA, 30 V DC) or</li> <li>– alarm/batch (adjustable usage)</li> </ul> </li> <li>• Current: <ul style="list-style-type: none"> <li>– max. 2 analogue outputs (AO), 0/4...20/22 mA, RL = 1000 <math>\Omega</math></li> <li>– HART (optional) only over first analogue output</li> </ul> </li> <li>• Serial interface (optional): RS-485 (available with Modbus protocol (option))</li> </ul>
Galvanic isolation	All the input/outputs are galvanically isolated up to 250 V from operating voltage
Protection class	Class I
Sensor/transmitter connection cable	Cable C015/C016 for remote version, 10 m (other lengths on request) Detailed information can be found in data sheets, see <a href="#">data sheet Type S051</a> ▶, <a href="#">data sheet Type S054</a> ▶, <a href="#">data sheet Type S055</a> ▶, <a href="#">data sheet Type S056</a> ▶.

#### Medium data

Velocity range	0.4...10 m/s
Minimum conductivity	5 $\mu\text{S}/\text{cm}$

#### Connections & communication

Electrical connection	<ul style="list-style-type: none"> <li>• 5 cable glands PG11 for aluminium or nylon housing or</li> <li>• 6 cable glands PG11 for stainless steel housing</li> </ul>
Plug for configuration connection	USB port for the connection to PC (USB cable with USB mini B and USB type A connectors is required for the configuration and parameter settings)
Industrial communication	<ul style="list-style-type: none"> <li>• RS-485</li> <li>• Wi-Fi (as alternative for remote device configuration)</li> </ul>
Protocol	<ul style="list-style-type: none"> <li>• Modbus over RS-485</li> <li>• HART (available on first analogue output)</li> </ul>

## Approvals and certificates

## Directives

CE directive The applied standards, which verify conformity with the EU Directives, can be found on the EU Type Examination Certificate and/or the EU Declaration of conformity (if applicable).

## Environment and installation

Ambient temperature	Operation and storage <ul style="list-style-type: none"> <li>Aluminium or stainless steel housing: -20...+60 °C (-4...+140 °F)</li> <li>Reinforced nylon housing: -10...+50 °C (+14...+122 °F)</li> </ul>
Relative air humidity	0...100 %, without condensation
Height above sea level	-200...+4000 m
Operating condition	Continuous
Equipment mobility	Fixed device
Application range	Indoor and outdoor (protect the device against electromagnetic interference, ultraviolet rays and against the effects of climatic conditions)
Degree of protection according to IEC/EN 60529	<ul style="list-style-type: none"> <li>Aluminium housing: IP65, IP67 (IP 68 option)</li> <li>Reinforced nylon housing: IP65, IP67</li> <li>Stainless steel housing: IP65</li> </ul>
Installation category	Category II according to UL/EN 61010-1
Pollution degree	Degree 2 according to UL/EN 61010-1

1.) Empty pipe functionality is not available if sensors are selected in the range of DN 03 to DN 20.

## 1.3. SE58 M transmitter



## Product properties

## Material

Housing	<ul style="list-style-type: none"> <li>Painted aluminium die casting or</li> <li>Nylon reinforced (PA6) with 15 % of glass fibre or</li> <li>Stainless steel 304 (1.4301) electro-polished</li> </ul>
Front panel film	Polyester
Protection cover	PA
Cable gland	PA
Seal	Silicone
Dimensions	Detailed information can be found in chapter "2. Dimensions" on page 9.
Compatibility	Electromagnetic flow sensors Type S051, S054, S055, S056 in compact or remote version Detailed information can be found in data sheets, see <a href="#">data sheet Type S051</a> ▶, <a href="#">data sheet Type S054</a> ▶, <a href="#">data sheet Type S055</a> ▶, <a href="#">data sheet Type S056</a> ▶.
Display	Graphic display 8 lines x 16 characters, 128 x 64 pixels with back light
Keyboard	3 operator keys
Data-logger (option)	A Micro-SD memory card 4 GBytes stores the selected data in a specified interval
Special function	<ul style="list-style-type: none"> <li>Bidirectional measure</li> <li>Dual measurement range</li> <li>Diagnostic functions such as device self tests and process diagnostics like empty-pipe<sup>1)</sup> or measurement value limit detection</li> </ul>

**Performance data**

At reference conditions and according to internal test procedures:

- At room temperature
- Constant flow rate during the test, liquid speed > 1 m/s
- Pressure: >30 Kpa
- Flow condition: observed inlet and outlet conditions
- Zero point stability:  $\pm 0.005\%$
- Default configuration if ordered together with sensor Type S051, S054, S055, S056. Detailed information can be found in chapter "3.2. Default configuration" on page 14.

Measurement deviation	$\leq \pm 0.8\%$ of the measured value (optional: $\pm 0.4\%$ of the measured value) for flow velocity > 0.5 m/s Detailed information can be found in chapter "3.1. Measurement deviation diagram" on page 13.
Repeatability	$\leq \pm 0.4\%$ of the measured value (optional: $\pm 0.2\%$ of the measured value) for flow velocity > 0.5 m/s
Response time	Minimum time <ul style="list-style-type: none"> <li>• for analogue output (AO), when damping setting is deactivated and according to sensor size:           <ul style="list-style-type: none"> <li>– DN 03...DN 250: 20 ms</li> <li>– DN 300...DN 400: 100 ms</li> </ul> </li> <li>• for digital output: 100 ms (no matter the sensor size)</li> </ul>

**Electrical data**

Operating voltage	<ul style="list-style-type: none"> <li>• 100...240 V AC, 44 Hz...66 Hz</li> <li>• 12...48 V DC</li> <li>• Others on request</li> </ul>
Power consumption	Max. 20 VA with 100...240 V AC operating voltage
Input	1 digital, function use is configurable (e.g. Totalizer reset)
Output	<ul style="list-style-type: none"> <li>• Transistor: 2 digital outputs (DO), both with open collector configurable as           <ul style="list-style-type: none"> <li>– pulse/frequency (1250 Hz, max. 100 mA, 30 V DC) or</li> <li>– alarm</li> </ul> </li> <li>• Current:           <ul style="list-style-type: none"> <li>– max. 2 analogue outputs (AO), 0/4...20/22 mA, <math>R_L = 1000\ \Omega</math></li> <li>– HART (optional) only over first analogue output</li> </ul> </li> <li>• Serial interface (optional): RS-485 (available with Modbus protocol (option))</li> </ul>
Galvanic isolation	All the input/outputs are galvanically isolated up to 250 V from operating voltage
Protection class	Class I
Sensor/transmitter connection cable	Cable C015/C016 for remote version, 10 m (other lengths on request) Detailed information can be found in data sheets, see <b>data sheet Type S051</b> ▶, <b>data sheet Type S054</b> ▶, <b>data sheet Type S055</b> ▶, <b>data sheet Type S056</b> ▶.

**Medium data**

Velocity range	0.4...10 m/s
Minimum conductivity	5 $\mu\text{S}/\text{cm}$

**Connections & communication**

Electrical connection	<ul style="list-style-type: none"> <li>• 5 cable glands PG11 for aluminium or nylon housing or</li> <li>• 6 cable glands PG11 for stainless steel housing</li> </ul>
Plug for configuration connection	USB port for the connection to PC (USB cable with USB mini B and USB type A connectors is required for the programming)
Industrial communication	<ul style="list-style-type: none"> <li>• RS-485</li> <li>• Wi-Fi (as alternative for remote device configuration)</li> </ul>
Protocol	<ul style="list-style-type: none"> <li>• Modbus over RS-485</li> <li>• HART (available on first analogue output)</li> </ul>

## Approvals and certificates

## Directives

CE directive The applied standards, which verify conformity with the EU Directives, can be found on the EU Type Examination Certificate and/or the EU Declaration of conformity (if applicable).

## Environment and installation

Ambient temperature	Operation and storage <ul style="list-style-type: none"> <li>Aluminium or stainless steel housing: -20...+60 °C (-4...+140 °F)</li> <li>Reinforced nylon: -10...+50 °C (+14...+122 °F)</li> </ul>
Relative air humidity	0...100 %, without condensation
Height above sea level	-200 up to +4000 m
Operating condition	Continuous
Equipment mobility	Fixed device
Application range	Indoor and outdoor (protect the device against electromagnetic interference, ultraviolet rays and against the effects of climatic conditions)
Degree of protection according to IEC/EN 60529	<ul style="list-style-type: none"> <li>Aluminium housing: IP65, IP67 (IP 68 optional)</li> <li>Reinforced nylon housing: IP65, IP67</li> <li>Stainless steel housing: IP65</li> </ul>
Installation category	Category II according to UL/EN 61010-1
Pollution degree	Degree 2 according to UL/EN 61010-1

1.) Empty pipe functionality is not available if sensors are selected in the range of DN 03 to DN 20.

## 1.4. SE58 S transmitter



## Product properties

## Material

Housing	<ul style="list-style-type: none"> <li>Painted Aluminium die casting or</li> <li>Stainless steel AISI 304 (1.4301) raw or polished</li> </ul>
Cover	PA6
Protection cover	PA
M12 cable plug	Nickel plated brass
Cable plug	PA
Seal	NBR

Dimensions	Detailed information can be found in chapter <b>"2. Dimensions"</b> on page 9.
Compatibility	Electromagnetic flow sensors Type S051, S054, S055, S056 in compact version, up to DN 400. Detailed information can be found in data sheets, see <b>data sheet Type S051</b> ▶, <b>data sheet Type S054</b> ▶, <b>data sheet Type S055</b> ▶, <b>data sheet Type S056</b> ▶.
Display	LCD dimensions 60 x 40 mm, 2 lines + symbols, icons
Keyboard	None
Parametrisation	Remote configuration by USB cable and PC tool MCP. However, any changes using MCP are not recommended, unless: <ul style="list-style-type: none"> <li>after receiving corresponding training by Burkert,</li> <li>done by professional,</li> <li>agreed by the end user, and</li> <li>done inline with the MCP manual</li> </ul> Detailed information can be found in chapters <b>"4. Product operation"</b> on page 15, <b>"5. Product accessories"</b> on page 16 and <b>"7.7. Ordering chart accessories"</b> on page 22.
Data-logger	An EEPROM stores the measured values (in case of power failure)
Special function	Bidirectional measure

**Performance data**

At reference conditions and according to internal test procedures:

- At room temperature
- Constant flow rate during the test, liquid speed > 1 m/s
- Pressure: >30 Kpa
- Flow condition: observed inlet and outlet conditions
- Zero point stability:  $\pm 0.005\%$
- Default configuration if ordered together with sensor Type S051, S054, S055, S056. Detailed information can be found in chapter "3.2. Default configuration" on page 14.

Measurement deviation	$\leq \pm 0.5\%$ of the measured value for flow velocity > 0.5 m/s Detailed information can be found in chapter "3.1. Measurement deviation diagram" on page 13.
Response time	Minimum time <ul style="list-style-type: none"> <li>• for analogue output (AO), when damping setting is deactivated and according to sensor size: <ul style="list-style-type: none"> <li>– DN 03...DN 250: 20 ms</li> <li>– DN 300...DN 400: 100 ms</li> </ul> </li> <li>• for digital output: 100 ms (no matter the sensor size)</li> </ul>
Repeatability	$\leq \pm 0.25\%$ of the measured value for flow velocity > 0.5 m/s

**Electrical data**

Operating voltage	<ul style="list-style-type: none"> <li>• 12...30 V DC if not using mA output</li> <li>• 18...30 V DC if using mA output</li> </ul>
Power consumption	Max. 1 W
Input	None
Output	<ul style="list-style-type: none"> <li>• Digital output (DO): 2 outputs for pulses according to a flow rate or for alarms</li> <li>• Analogue output (AO): current output, 0/4...20 mA, RL = 500 <math>\Omega</math> (18...30 V DC)</li> </ul>

**Medium data**

Velocity range	0.4...10 m/s
Minimum conductivity	20 $\mu\text{S/cm}$

**Connections & communication**

Electrical connection	<ul style="list-style-type: none"> <li>• 1 x 5 pin M12 female connector (included in the delivery) or</li> <li>• Cable gland with 2 meter cable already connected</li> </ul>
Plug for configuration connection	USB port for the connection to PC (USB cable with USB mini B and USB type A connectors is required for the programming)
Protection class	Class I

**Approvals and certificates****Directives**

CE directive	The applied standards, which verify conformity with the EU Directives, can be found on the EU Type Examination Certificate and/or the EU Declaration of conformity (if applicable).
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**Environment and installation**

Ambient temperature	Operation and storage: <ul style="list-style-type: none"> <li>• if analog output used: -20...+60 °C (-4...+140 °F)</li> <li>• if no analog output used: -10...+60 °C (14...+140 °F)</li> </ul>
Relative air humidity	0...100 %, without condensation
Height above sea level	-200 up to +2000 m
Operating condition	Continuous
Equipment mobility	Fixed device
Application range	Indoor and outdoor (protect the device against electromagnetic interference, ultraviolet rays and against the effects of climatic conditions)
Degree of protection according to IEC/EN 60529	IP65, IP67 (IP68 optional)
Installation category	Category II according to UL/EN 61010-1
Pollution degree	Degree 2 according to UL/EN 61010-1



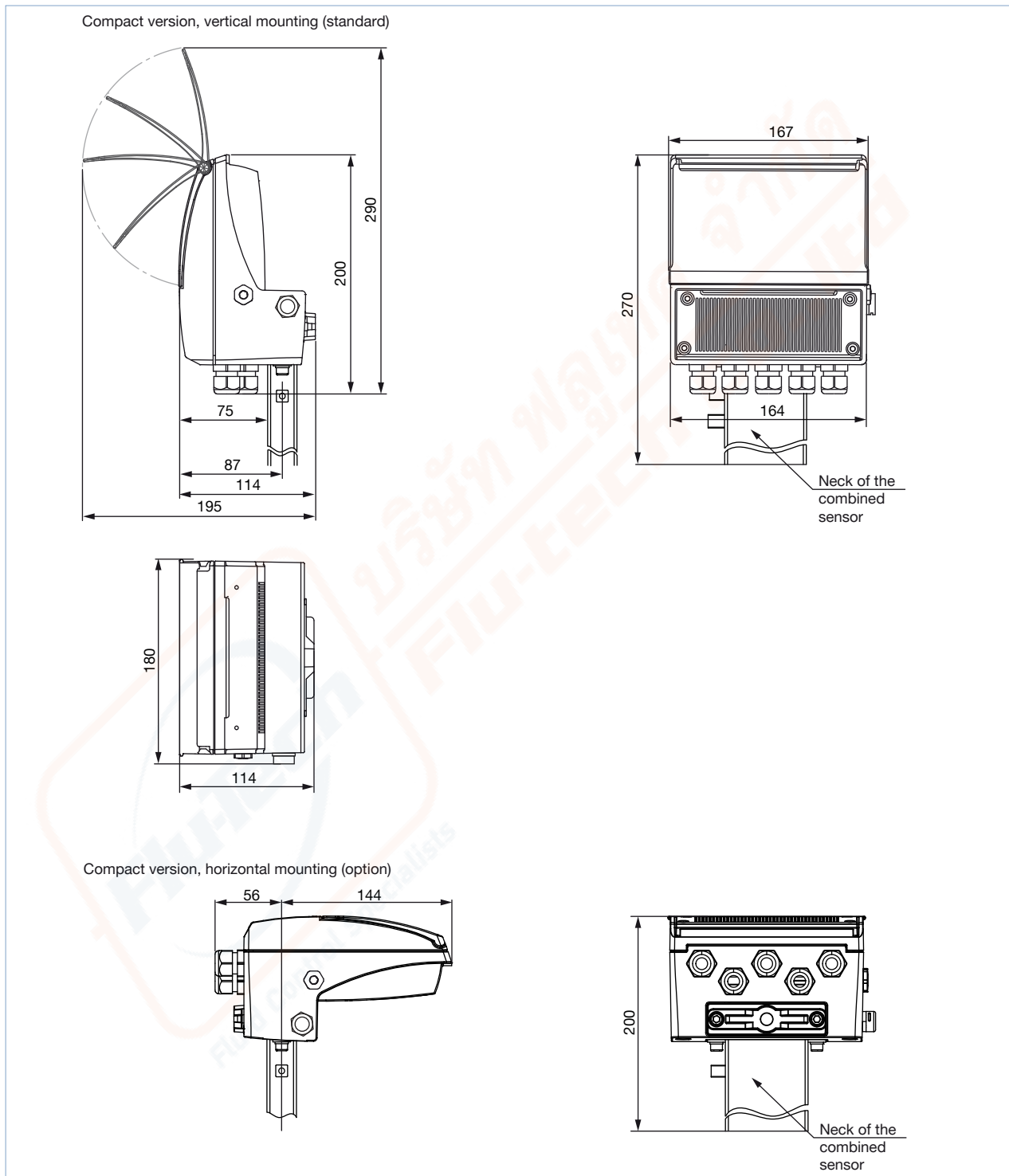
## 2. Dimensions

### 2.1. SE58 L and SE58 M transmitter

Compact version with housing in aluminium or reinforced nylon

**Note:**

Dimensions in mm (unless specified differently)

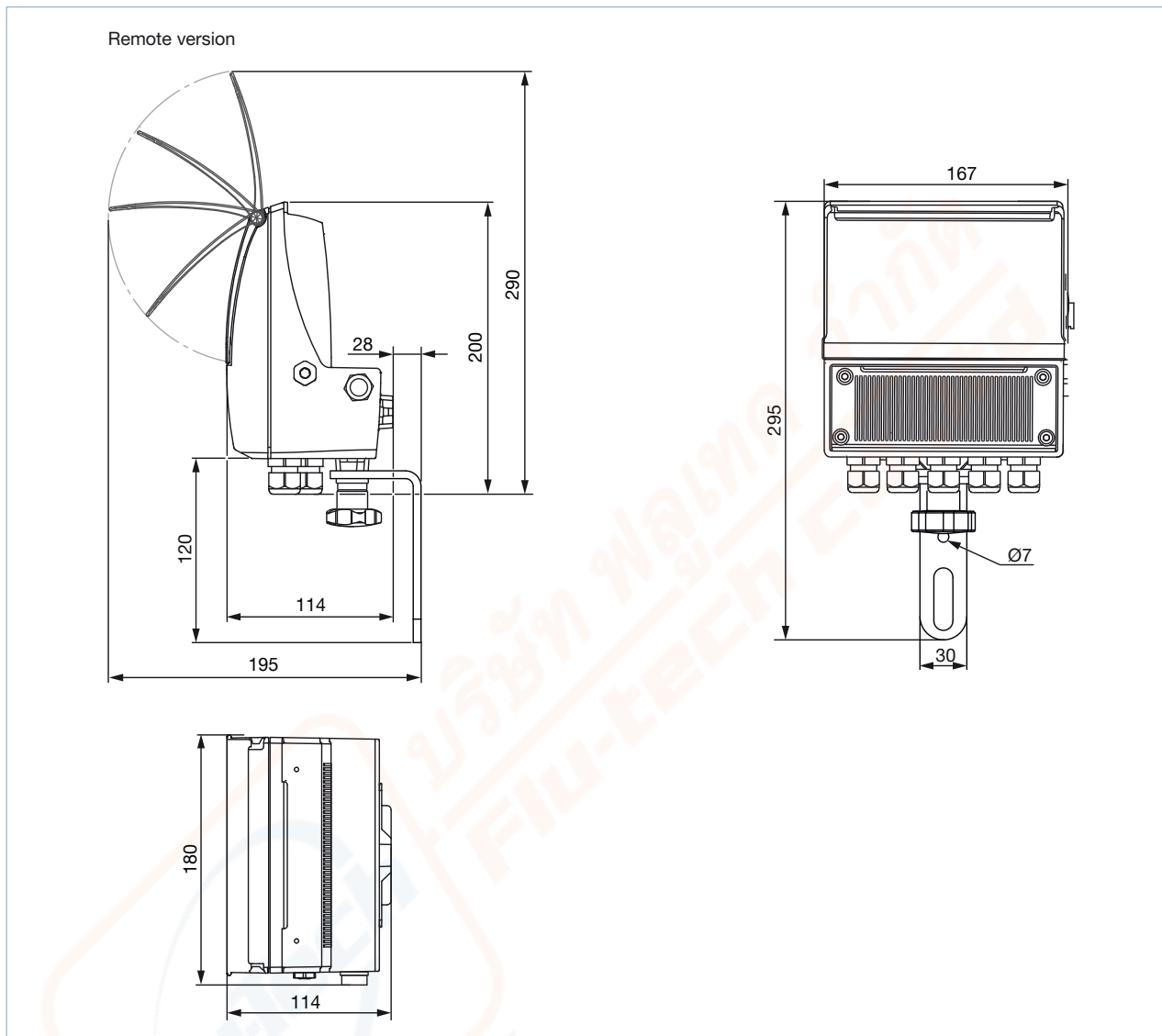


DTS 1000463561 EN Version: B Status: RL (released | freigegeben | validé) printed: 01.04.2022

Remote version with housing in aluminium or reinforced nylon

**Note:**

Dimensions in mm (unless specified differently)

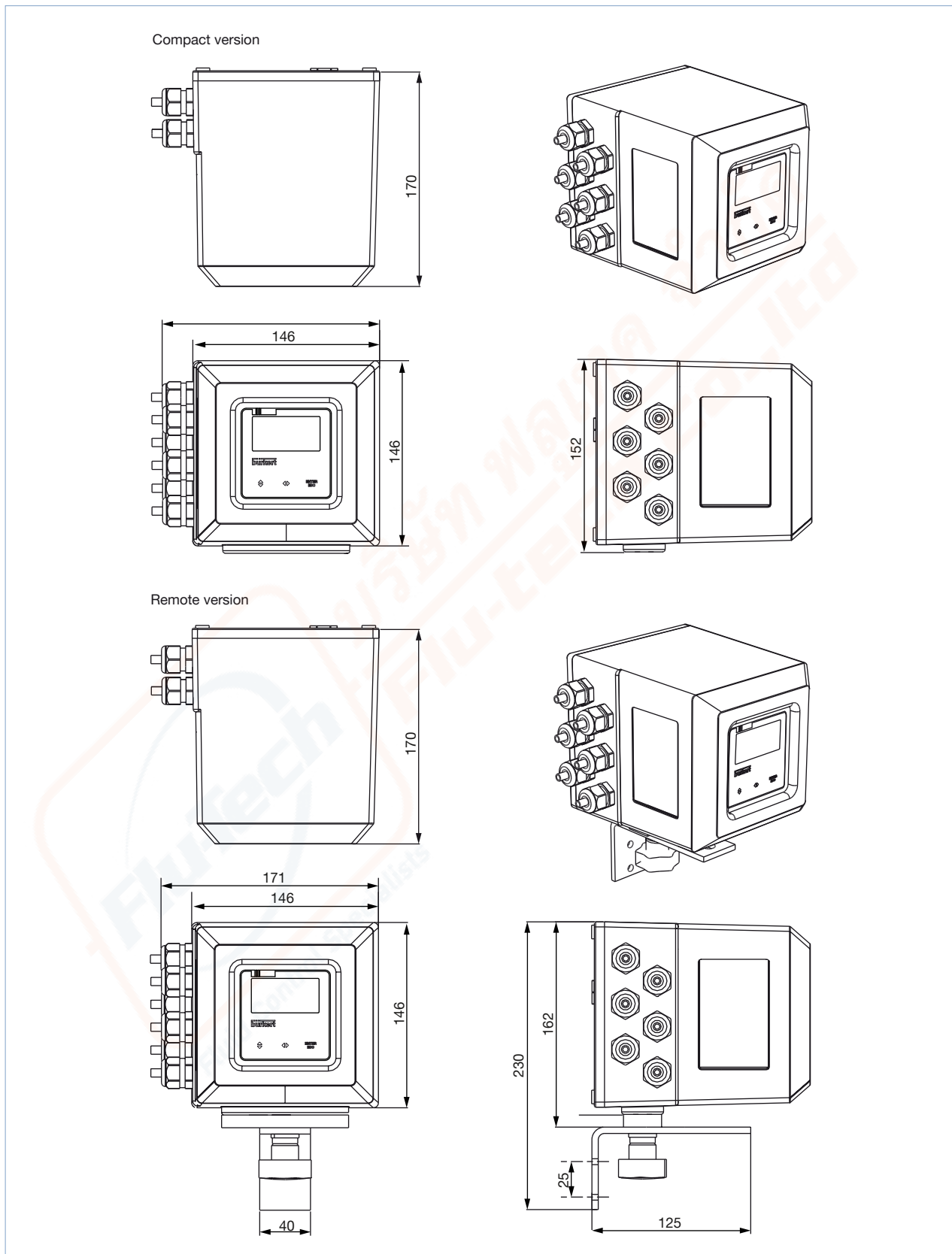


DTS 1000463561 EN Version: B Status: RL (released | freigegeben | validé) printed: 01.04.2022

Compact and remote version with housing in stainless steel

**Note:**

Dimensions in mm (unless specified differently)

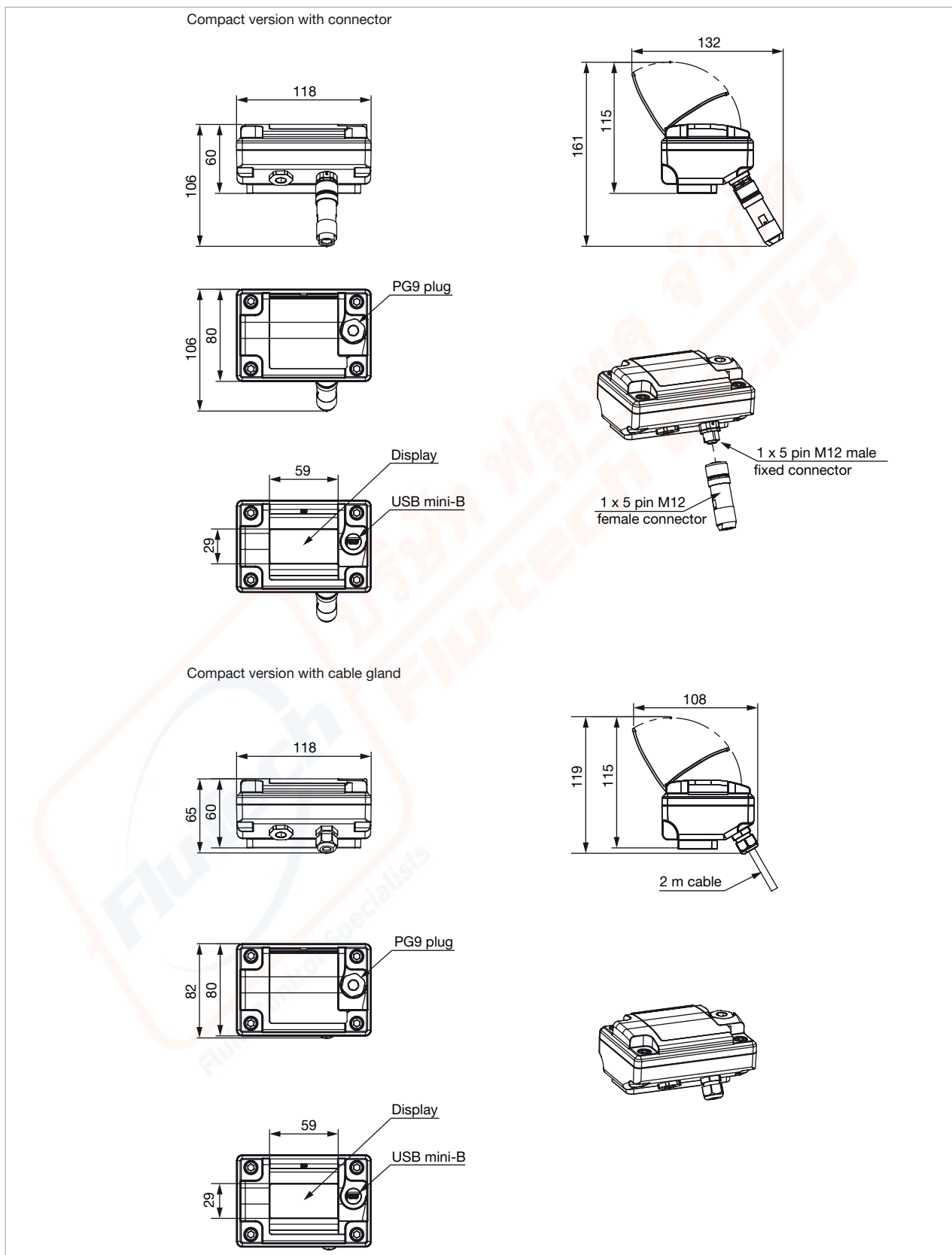


DTS 1000463561 EN Version: B Status: RL (released | freigegeben | validé) printed: 01.04.2022

2.2. SE58 S transmitter

Note:

Dimensions in mm (unless specified differently)



DTS 1000463561 EN Version: B Status: RL (released | freigegeben | valide) printed: 01.04.2022

### 3. Performance specifications

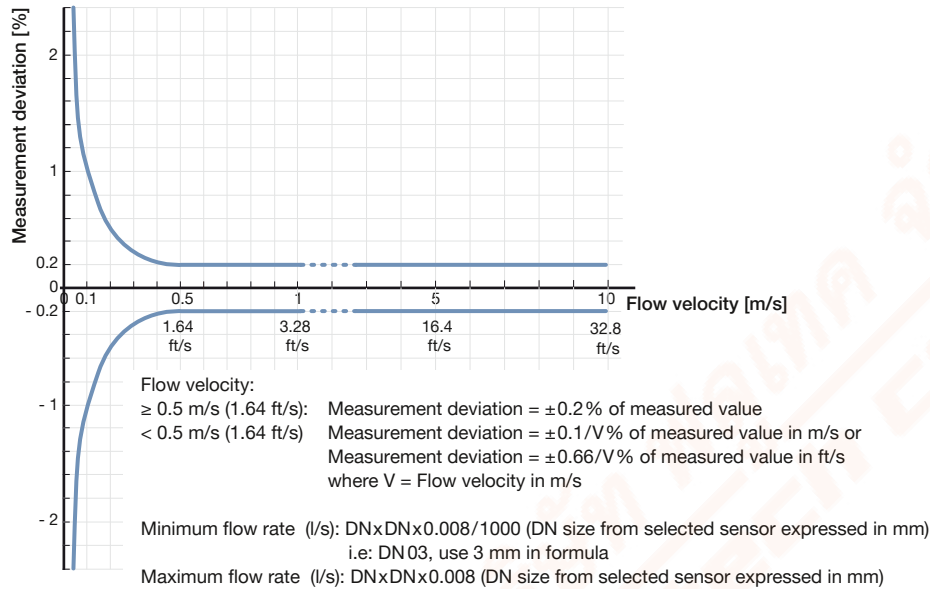
#### 3.1. Measurement deviation diagram

##### SE58 L transmitter

**Note:**

This following diagram is valid for the complete device (Transmitter Type SE58 L combined with a flow sensor Type S051, S054, S055 or S056).

See [data sheet Type S051](#) ▶, [data sheet Type S054](#) ▶, [data sheet Type S055](#) ▶, [data sheet Type S056](#) ▶

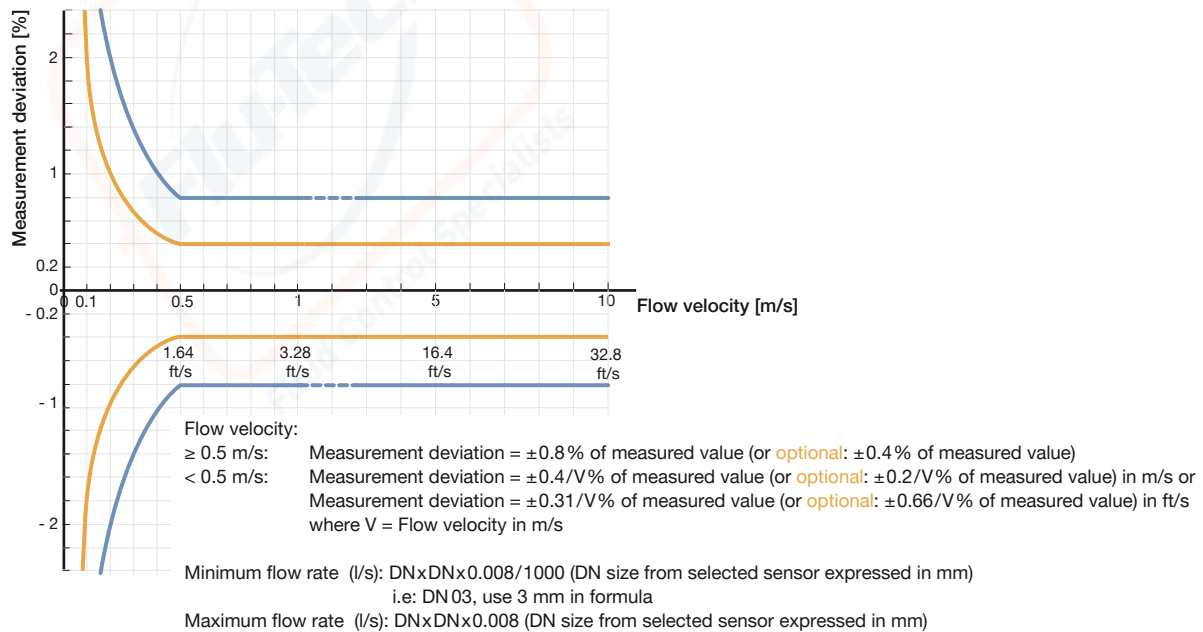


##### SE58 M transmitter

**Note:**

This following diagram is valid for the complete device (Transmitter Type SE58 M combined with a flow sensor Type S051, S054, S055 or S056).

See [data sheet Type S051](#) ▶, [data sheet Type S054](#) ▶, [data sheet Type S055](#) ▶, [data sheet Type S056](#) ▶



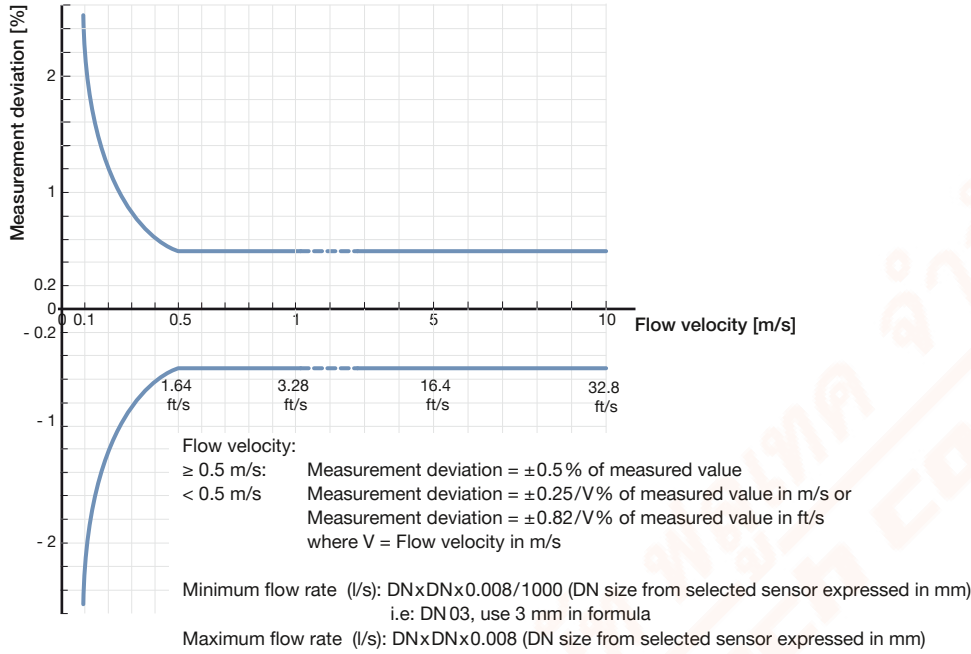
Visit product website ▶

**SE58 S transmitter**

**Note:**

This following diagram is valid for the complete device (Transmitter Type SE58 L and flow sensor Type S051, S054, S055 or S056).

See [data sheet Type S051](#) ▶, [data sheet Type S054](#) ▶, [data sheet Type S055](#) ▶, [data sheet Type S056](#) ▶



**3.2. Default configuration**

**Note:**

This following diagram is valid for the complete device (Transmitter Type SE58 L, SE58 M or SE58 S combined with a flow sensor Type S051, S054, S055 or S056).

See [data sheet Type S051](#) ▶, [data sheet Type S054](#) ▶, [data sheet Type S055](#) ▶, [data sheet Type S056](#) ▶

DN	3	6	10	15	20	25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500
At 4 mA in m³/h	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
At 20 mA in m³/h	0.1	0.6	2	4	8	16	25	40	63	120	160	250	400	630	1000	1600	2500	2500	4000	4000	6300
Liter per pulse	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.5	0.5	1	2	10	10	10	10	10	10	100	100	100

## 4. Product operation

The configuration can be done in two different ways:

- By keypad of transmitter if equipped with display (except for transmitter SE58 S)
- By USB cable and PC tool MCP (virtual display of instrument) for transmitter with or without display.

This MCP software runs under MS-Windows and it is available for download on Bürkert's website for free. However any changes using MCP are not recommended, unless:

- after receiving corresponding training by Bürkert,
- done by professional,
- agreed by the end user, and
- done inline with the MCP manual which can be found under **Type SE58** ▶ on Bürkert's website.

With using this MCP software you agree to the following Software Tools End User License Agreement "MCP" (STEULA):

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- While we took care to provide access to a convenient tool, it is not required for the use of our products; we cannot be liable for any consequence in using this Software;
- We will update the Software from time to time based but not regularly and may at any point in time discontinue to offer the Software or its updates for download.
- The Software could include technical or other mistakes, inaccuracies or typographical errors.
- At any time without prior notice, we may make changes to the software pointing to third-party websites or shops or documentation made available on the third-party's website.
- The software may be out of date, and we make no commitment to update such materials.

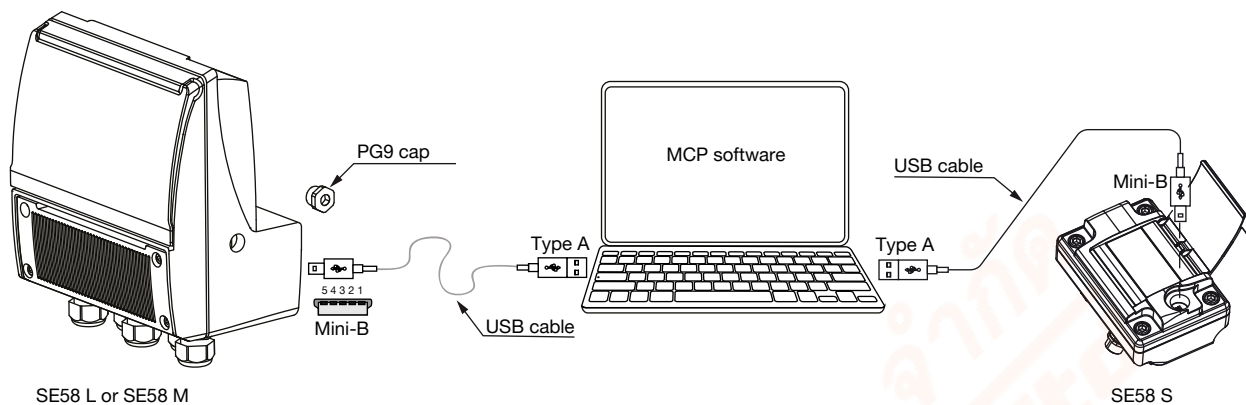
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To download the MCP software, see **Type SE58** ▶ on Bürkert's website.

### 5. Product accessories

An USB cable with USB mini B and USB type A connectors serves as the interface between computer and transmitter (see "7.7. Ordering chart accessories" on page 22 and "4. Product operation" on page 15).



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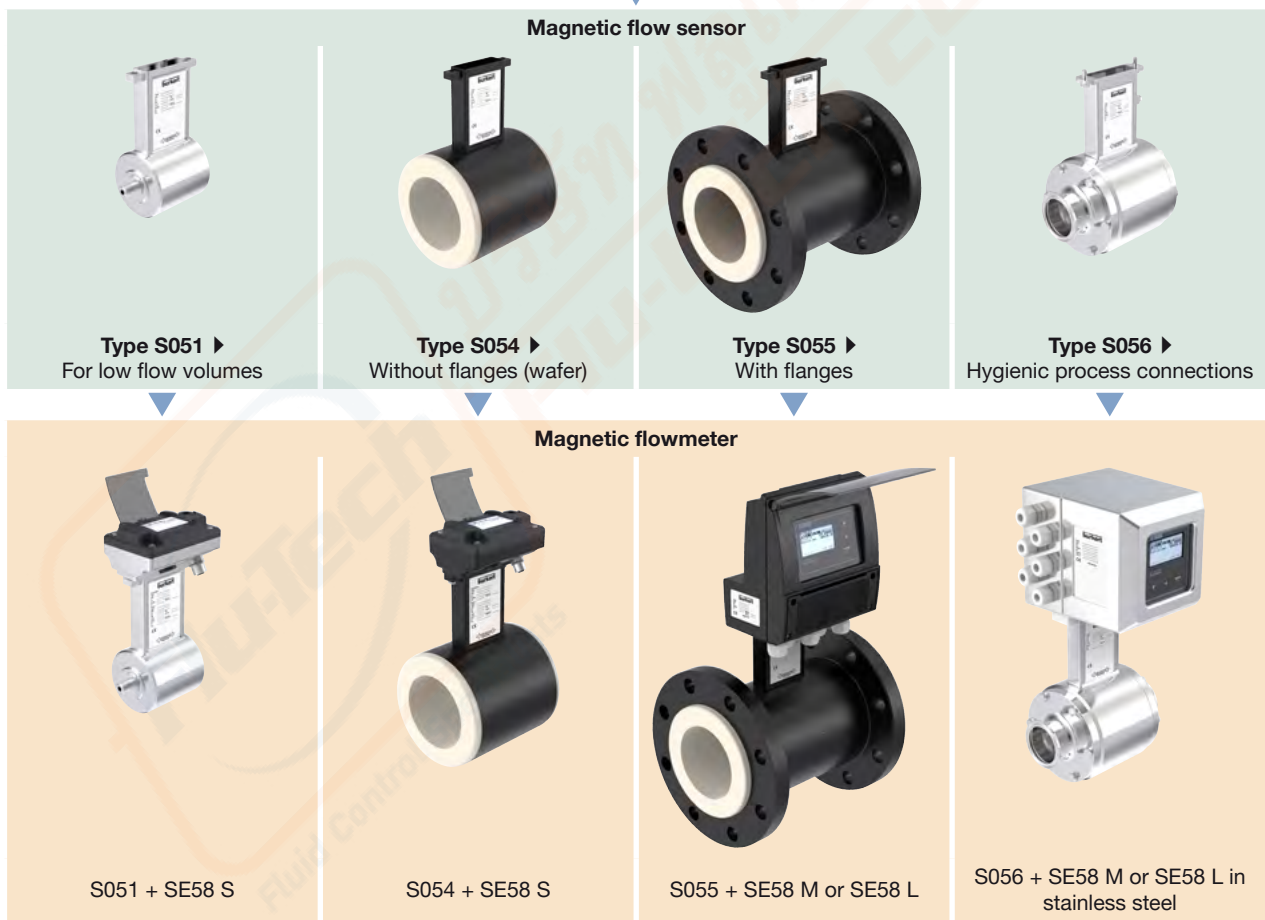
## 6. Networking and combination with other Bürkert products

### 6.1. Compact version

**Note:**

The compact SE58 transmitter is intended for use with S051, S045, S055 or S056 compact flow sensors.

**Example:**



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### 6.2. Remote version

**Note:**

The SE58 transmitter is intended for use with S051, S045, S055 or S056 flow sensors, each in design for the remote version.

**Example:**



Type SE58



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## 7. Ordering information

### 7.1. Bürkert eShop – Easy ordering and quick delivery



#### Bürkert eShop – Easy ordering and fast delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

### 7.2. Recommendation regarding product selection

A complete full bore flowmeter consists of a flow sensor (compact or remote version) Type S051, S054, S055 or S056 and a flow transmitter (compact or remote version) Type SE58.

See [Data sheet Type S051](#) ▶, [Data sheet Type S054](#) ▶, [Data sheet Type S055](#) ▶, [Data sheet Type S056](#) ▶ for more information.

Two different components must be ordered in order to select a complete device. The following information is required:

- **Article no.** of the sensor **Type S051, S054, S055 or S056** (see [Data sheet Type S051](#) ▶, [Data sheet Type S054](#) ▶, [Data sheet Type S055](#) ▶, [Data sheet Type S056](#) ▶ for more information.)
- **Article no.** of the transmitter **Type SE58** (see chapter “[7.4. Ordering chart SE58 L transmitter](#)” on page 20, “[7.5. Ordering chart SE58 M transmitter](#)” on page 21 or “[7.6. Ordering chart SE58 S transmitter](#)” on page 22.)

### 7.3. Bürkert product filter



#### Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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#### 7.4. Ordering chart SE58 L transmitter

##### Note:

- Not all SE58 L transmitter versions are listed in the following table; if the desired version is not mentioned, please contact your Bürkert representative.
- The following versions are vertically mounted versions.

Operating voltage	Outputs	Industrial communication	Housing material	Electrical connection	Article no.
<b>Compact version with display</b>					
100...240 V AC	2 digital outputs (transistors)	Without	Aluminium	5 cable glands	571500
			Stainless steel	6 cable glands	571507
	2 digital outputs (transistors) + analogue output (4...20 mA)		Aluminium	5 cable glands	571501
			Stainless steel	6 cable glands	571508
12...48 V DC	2 digital outputs (transistors) + analogue output (4...20 mA)	Aluminium	5 cable glands	571502	
		Stainless steel	6 cable glands	571509	
<b>Remote version<sup>1.)</sup> (wall-mounting) with display</b>					
100...240 V AC	2 digital outputs (transistors)	Without	Aluminium	5 cable glands	571505
			Stainless steel	6 cable glands	571510
	2 digital outputs (transistors) + analogue output (4...20 mA)		Aluminium	5 cable glands	571506
			Stainless steel	6 cable glands	571511
12...48 V DC	2 digital outputs (transistors) + analogue output (4...20 mA)	Aluminium	5 cable glands	571503	
		Stainless steel	6 cable glands	571513	

1.) Remote versions include two 10 m signal cable. If a longer cable is needed please consider that for ordering.

Further versions on request	
	<b>Material</b> Nylon reinforced
	<b>Approval</b> IP68
	<b>Additional</b> <ul style="list-style-type: none"> <li>• Compact version for horizontal mounting or remote version</li> <li>• Version with display (visible from the top or from the front) or without display</li> <li>• Outputs: <ul style="list-style-type: none"> <li>– 4...20 mA (one or two)</li> <li>– RS 485 (with protocol Modbus)</li> <li>– 2 transistors</li> </ul> </li> <li>• Industrial communication: <ul style="list-style-type: none"> <li>– RS 485 (with protocol Modbus)</li> <li>– HART</li> <li>– Wi-Fi (for parameter settings)</li> </ul> </li> <li>• Data logger with Micro-SD memory 4GB</li> </ul>

### 7.5. Ordering chart SE58 M transmitter

**Note:**

- Not all SE58 M transmitter versions are listed in the following table; if the desired version is not mentioned, please contact your Bürkert representative.
- The following versions are vertically mounted versions and delivered with a measurement deviation of 0.4 % from the measured value.

Operating voltage	Outputs	Industrial communication	Housing material	Electrical connection	Article no.
<b>Compact version with display</b>					
100...240 V AC	2 digital outputs (transistors)	Without	Nylon reinforced	5 cable glands	571540
			Stainless steel	6 cable glands	571548
	2 digital outputs (transistors) + analogue output (4...20 mA)		Nylon reinforced	5 cable glands	571541
			Stainless steel	6 cable glands	571549
12...48 V DC	2 digital outputs (transistors)	Without	Nylon reinforced	5 cable glands	571542
			Stainless steel	6 cable glands	571550
	2 digital outputs (transistors) + analogue output (4...20 mA)		Nylon reinforced	5 cable glands	571543
			Stainless steel	6 cable glands	571551
<b>Compact version without display</b>					
100...240 V AC	2 digital outputs (transistors)	Without	Nylon reinforced	5 cable glands	571544
			Stainless steel	6 cable glands	571552
	2 digital outputs (transistors) + analogue output (4...20 mA)		Nylon reinforced	5 cable glands	571545
			Stainless steel	6 cable glands	571553
12...48 V DC	2 digital outputs (transistors)	Without	Nylon reinforced	5 cable glands	571546
			Stainless steel	6 cable glands	571554
	2 digital outputs (transistors) + analogue output (4...20 mA)		Nylon reinforced	5 cable glands	571547
			Stainless steel	6 cable glands	571555





#### Further versions on request

	<b>Material</b> Aluminium
	<b>Approval</b> IP68
	<b>Additional</b> <ul style="list-style-type: none"> <li>• Compact version for horizontal mounting or remote version</li> <li>• Version with display (visible from the top or from the front) or without display</li> <li>• Outputs :               <ul style="list-style-type: none"> <li>– 4...20 mA (one or two)</li> <li>– RS 485 (with protocol Modbus)</li> <li>– 2 transistors</li> </ul> </li> <li>• Measurement deviation of 0.4 % of the measured value</li> <li>• Industrial communication:               <ul style="list-style-type: none"> <li>– RS 485 (with protocol Modbus)</li> <li>– HART</li> <li>– Wi-Fi (for parameter settings)</li> </ul> </li> <li>• Data logger with Micro-SD memory 4GB</li> </ul>


## 7.6. Ordering chart SE58 S transmitter

### Note:

- Not all SE58 S transmitter versions are listed in the following table; if the desired version is not mentioned, please contact your Bürkert representative.

Operating voltage	Outputs	Industrial communication	Housing material	Electrical connection	Article no.
<b>Compact version without display</b>					
12...30 V DC <sup>1.)</sup>	2 digital outputs (transistors)	Without	Stainless steel polished	Cable gland with 2 m cable already connected	571580 
	2 digital outputs (transistors) + analogue output (4...20 mA)				571581 
<b>Compact version with display</b>					
12...30 V DC <sup>1.)</sup>	2 digital outputs (transistors)	Without	Stainless steel polished	Cable gland with 2 m cable already connected	571582 
	2 digital outputs (transistors) + analogue output (4...20 mA)				571583 

1.) 12...30 V DC if not using mA output or 18...30 V DC if using mA output

Further versions on request	
 <b>Electrical connection</b> 1 x 5 pin M12 female connector	 <b>Additional</b> Version with display
 <b>Material</b> Aluminium, stainless steel raw, stainless steel polished	 <b>Approval</b> IP68

## 7.7. Ordering chart accessories

Description	Article no.
USB cable with connector mini B and A, length 1.8 m	919499 