**Technical Data**

**Portable Liquid Flow Meters**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow range</td>
<td>0.01 to 35 m/s (dependent on pipe diameter); Steam: 0.01 to 60 m/s</td>
</tr>
<tr>
<td>Flow velocities</td>
<td>±1 to 3% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Measurement uncertainty</td>
<td>±0.15% of range ±0.005 m/s</td>
</tr>
<tr>
<td>Reproducibility</td>
<td>±1% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Measurement range</td>
<td>0.01 to 35 m/s (dependent on pipe diameter); Steam: 0.01 to 60 m/s</td>
</tr>
<tr>
<td>Mass flow rate</td>
<td>±1% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Energy</td>
<td>±1% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Ductal range</td>
<td>10 to 2800 mm</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40 °C to +240 °C; Steam: +135 °C to +180 °C</td>
</tr>
<tr>
<td>Electrical inputs</td>
<td>2 x Temp. Pt100 / Pt1000 RTD</td>
</tr>
<tr>
<td>Outputs</td>
<td>2 x 4-20 mA (active/passive), 2 x binary</td>
</tr>
<tr>
<td>Connection</td>
<td>Modbus RTU</td>
</tr>
<tr>
<td>Hazardous area protection</td>
<td>Connected transducers up to ATEX, IECEx Zone 1 and FM Class I, Div. 1 certified; F60X Energy (G601 CA Energy only)</td>
</tr>
</tbody>
</table>
FLEXIM’s range of FLUXUS® F/G60X portable gas flow meters not only cover virtually any gaseous medium, they also include all liquid flow measuring capabilities at the FLUXUS® F/G60X series meter making them a truly comprehensive tool.

For liquids and gases: FLUXUS® G60X

When measuring gas filled pipes, the FLUXUS® G60X portable flow meter is the system of choice. Independent of the pipe’s pressurisation and with virtually no limitation in terms of measurable media – even wet gas isn’t a challenge – it is the perfect measuring solution for the oil & gas and chemical industry.

For liquids, thermal energy, gases and compressed air: FLUXUS® G60X CA Energy

Equipped with temperature and current inputs, the product variant FLUXUS® G60X CA Energy is the most versatile multi-tool for various measuring tasks: From monitoring liquid and thermal energy streams up to gas flow rates – including compressed air – it is the ideal portable measuring system for usage within the framework of plant wide industrial energy audits.

One for all – including steam: FLUXUS® G601 ST

As the world’s only portable steam flow meter, the FLUXUS® G601 ST is the benchmark of non-invasive clamp-on ultrasonic flow measurement. Engineered for low pressure and low steam temperature applications, it is an ideal companion in various industries ranging from food & beverage to the pharmaceutical and chemical sector. Additionally, it also measures thermal energy and flow rates of virtually any liquid or gaseous medium.

Welcome to the most versatile and industry-proven portable flow meter

The FLUXUS® F/G60X portable flow meter series is the instrumentation standard in many industries, ranging from the Oil & Gas and Chemical Industry to HVAC, Water & Wastewater, Food & Beverages, Pharma and many more. Independent of the environment and pipe conditions, accurately and reliably measures:

- virtually any liquid – independent of viscosity and temperature (from as low as -190 °C up to +600 °C) and even with solid or gaseous entrainments.
- virtually any gas – independent of the presentation, including compressed air and steam, and not affected by gas entrainments (up to UGF of 75%) as well as.
- thermal energy flow rates of liquid heat transferring media (water, heat transfer oils, etc.)

Fit for industrial purpose

With the transmitter residing in a sturdy housing and the transducers and cables being stainless steel armored, FLUXUS® F/G60X offers unrivalled durability for long-term stable flow measurements. Its internal battery allows for up to 25 hrs. of autonomous measurement.

Moreover, based on special ATEX, IECEx Zone 2 and FM Class 1, Div. 2 certified variants, time consuming hot work permits are a thing of the past.

For liquids: FLUXUS® F60X

The standard FLUXUS® F60X portable liquid flow meters allow for the measurement of actually any liquid media – from water over high viscosity oils to chemicals such as acids and caustics and up to slurries. In conjunction with the WaveInjector® transducer mounting, the meter can even measure at extreme pipe wall temperatures from as low -190 °C up to +600 °C.

For liquids and thermal energy flows: FLUXUS® F60X Energy

The FLUXUS® F60X Energy is the portable meter of choice for measuring of thermal energy flow rates e.g. balancing of chillers/heatex, optimization of heat exchangers, etc., making it a standard flow metering tool for HVAC applications as well as energy efficiency tasks in any kind of industrial environment.

In terms of media and appropriate pipe wall temperatures it offers the same possibilities as the standard FLUXUS® F60X portable meter.

Solutions for any flow metering application

The FLUXUS® F/G60X portable flow meters are available in various variants, starting as a liquid flow meter up to a multifunctional meter for non-invasive measurement of liquids, heat flow rates and gases – even including compressed air and steam. Whereas the FLUXUS® F/G60X meter series is designed for non-hazardous area related applications, the FLUXUS® F/G6010 meter series is ATEX / IECEx zone 2 (1) and FM Class 1, Div. 2 (1) certified, making them the world’s only portable flow meters with hazardous area approval.

The FLUXUS® F/G60X portable flow meters are the ideal tool for:

- Spot metering for continuous process optimisation
- Check metering of existing stationary meters
- Permanently replacing of existing meters
- Plant wide flow and thermal energy audits
- Consumption monitoring
- Efficiency determination of pumps, heat exchangers, etc.

The FLUXUS® F/G60X portable flow meters are available in various variants, starting as a liquid flow meter up to a multifunctional meter for non-invasive measurement of liquids, heat flow rates and gases – even including compressed air and steam. Whereas the FLUXUS® F/G60X meter series is designed for non-hazardous area related applications, the FLUXUS® F/G6010 meter series is ATEX / IECEx zone 2 (1) and FM Class 1, Div. 2 (1) certified, making them the world’s only portable flow meters with hazardous area approval.

The FLUXUS® F/G60X portable flow meters are the ideal tool for:

- Spot metering for continuous process optimisation
- Check metering of existing stationary meters
- Permanently replacing of existing meters
- Plant wide flow and thermal energy audits
- Consumption monitoring
- Efficiency determination of pumps, heat exchangers, etc.

For liquids, thermal energy, gases and compressed air: FLUXUS® G60X CA Energy

Equipped with temperature and current inputs, the product variant FLUXUS® G60X CA Energy is the most versatile multi-tool for various measuring tasks: From monitoring liquid and thermal energy streams up to gas flow rates – including compressed air – it is the ideal portable measuring system for usage within the framework of plant wide industrial energy audits.

One for all – including steam: FLUXUS® G601 ST

As the world’s only portable steam flow meter, the FLUXUS® G601 ST is the benchmark of non-invasive clamp-on ultrasonic flow measurement. Engineered for low pressure and low steam temperature applications, it is an ideal companion in various industries ranging from food & beverage to the pharmaceutical and chemical sector. Additionally, it also measures thermal energy and flow rates of virtually any liquid or gaseous medium.

Welcome to the most versatile and industry-proven portable flow meter

The FLUXUS® F/G60X portable flow meter series is the instrumentation standard in many industries, ranging from the Oil & Gas and Chemical Industry to HVAC, Water & Wastewater, Food & Beverages, Pharma and many more. Independent of the environment and pipe conditions, accurately and reliably measures:

- virtually any liquid – independent of viscosity and temperature (from as low as -190 °C up to +600 °C) and even with solid or gaseous entrainments.
- virtually any gas – independent of the presentation, including compressed air and steam, and not affected by gas entrainments (up to UGF of 75%) as well as.
- thermal energy flow rates of liquid heat transferring media (water, heat transfer oils, etc.)

Fit for industrial purpose

With the transmitter residing in a sturdy housing and the transducers and cables being stainless steel armored, FLUXUS® F/G60X offers unrivalled durability for long-term stable flow measurements. Its internal battery allows for up to 25 hrs. of autonomous measurement.

Moreover, based on special ATEX, IECEx Zone 2 and FM Class 1, Div. 2 certified variants, time consuming hot work permits are a thing of the past.

For liquids: FLUXUS® F60X

The standard FLUXUS® F60X portable liquid flow meters allow for the measurement of actually any liquid media – from water over high viscosity oils to chemicals such as acids and caustics and up to slurries. In conjunction with the WaveInjector® transducer mounting, the meter can even measure at extreme pipe wall temperatures from as low -190 °C up to +600 °C.

For liquids and thermal energy flows: FLUXUS® F60X Energy

The FLUXUS® F60X Energy is the portable meter of choice for measuring of thermal energy flow rates e.g. balancing of chillers/heatex, optimization of heat exchangers, etc., making it a standard flow metering tool for HVAC applications as well as energy efficiency tasks in any kind of industrial environment.

In terms of media and applicable pipe wall temperatures it offers the same possibilities as the standard FLUXUS® F60X portable meter.

Solutions for any flow metering application

The FLUXUS® F/G60X portable flow meters are available in various variants, starting as a liquid flow meter up to a multifunctional meter for non-invasive measurement of liquids, heat flow rates and gases – even including compressed air and steam. Whereas the FLUXUS® F/G60X meter series is designed for non-hazardous area related applications, the FLUXUS® F/G6010 meter series is ATEX / IECEx zone 2 (1) and FM Class 1, Div. 2 (1) certified, making them the world’s only portable flow meters with hazardous area approval.

The FLUXUS® F/G60X portable flow meters are the ideal tool for:

- Spot metering for continuous process optimisation
- Check metering of existing stationary meters
- Permanently replacing of existing meters
- Plant wide flow and thermal energy audits
- Consumption monitoring
- Efficiency determination of pumps, heat exchangers, etc.

The FLUXUS® F/G60X portable flow meters are available in various variants, starting as a liquid flow meter up to a multifunctional meter for non-invasive measurement of liquids, heat flow rates and gases – even including compressed air and steam. Whereas the FLUXUS® F/G60X meter series is designed for non-hazardous area related applications, the FLUXUS® F/G6010 meter series is ATEX / IECEx zone 2 (1) and FM Class 1, Div. 2 (1) certified, making them the world’s only portable flow meters with hazardous area approval.

The FLUXUS® F/G60X portable flow meters are the ideal tool for:

- Spot metering for continuous process optimisation
- Check metering of existing stationary meters
- Permanently replacing of existing meters
- Plant wide flow and thermal energy audits
- Consumption monitoring
- Efficiency determination of pumps, heat exchangers, etc.

For liquids, thermal energy, gases and compressed air: FLUXUS® G60X CA Energy

Equipped with temperature and current inputs, the product variant FLUXUS® G60X CA Energy is the most versatile multi-tool for various measuring tasks: From monitoring liquid and thermal energy streams up to gas flow rates – including compressed air – it is the ideal portable measuring system for usage within the framework of plant wide industrial energy audits.

One for all – including steam: FLUXUS® G601 ST

As the world’s only portable steam flow meter, the FLUXUS® G601 ST is the benchmark of non-invasive clamp-on ultrasonic flow measurement. Engineered for low pressure and low steam temperature applications, it is an ideal companion in various industries ranging from food & beverage to the pharmaceutical and chemical sector. Additionally, it also measures thermal energy and flow rates of virtually any liquid or gaseous medium.
Safe and efficient by principle

As the ultrasonic clamp-on transducers are simply mounted onto the pipe wall outside, the measurement does not require any pipe modifications and does not impair plant availability. With its direct media contact any potential for leaks can be ruled out, offering highest operational safety.

Measurement data you can rely on

With 30 years of engineering experience, FLEXIM sets standards in the field of clamp-on flow measurement:

- Benchmarking digital signal processing and evaluation capabilities (up to 1000 measurement signals per second)
- Separately calibrated transmitters and transducer pairs based on patented frequency calibration for highest possible accuracy of the measuring system
- Matched and paired transducers ensuring zero offset and superior low flow performance
- Integrated transmitter temperature compensation (acc. to ANSI/ASME 30-5.5-2011 regulations), for stable measurements independent of changing ambient temperatures
- Two channels for reliable measurements at challenging applications or simultaneous measurement at two pipes
- Built-in Noise Trek mode for accurate and reliable measurements of liquids with entrained solids or gases as well as internal wet gas compensation (up to 25% of flow velocity)
- Precise, flexible and versatile

Data evaluation made easy

In connection with FLEXIM’s elaborated FluxDiag Software, efficient measurement data evaluation, interpretation and recommendation is as easy as it can get. By downloading measurement data from the meter, FLEXIM offers statistical data analysis and extensive graphical visualisation helping to gain an in-depth understanding of the process.

With its excellent reporting options, it is the ideal tool to comply with industry standards for regular verification of existing meters and plant-wide flow audits.

Technical Data

<table>
<thead>
<tr>
<th>Measurement of</th>
<th>F60X</th>
<th>G60X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volumetric flow rate</td>
<td>0.01 to 25 m/s</td>
<td>0.01 to 35 m/s (dependent on pipe diameter)</td>
</tr>
<tr>
<td>Mass flow rate</td>
<td>±0.15% of reading ±0.005 m/s</td>
<td>±1% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Steam:</td>
<td>±0.15% of reading ±0.005 m/s</td>
<td>±1% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Flow velocities</td>
<td>0.01 to 60 m/s</td>
<td>0.01 to 60 m/s</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Communication</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Modbus RTU</td>
<td>Two channels for reliable measurements at challenging applications or simultaneous measurement at two pipes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Inputs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FLUXUS® F60X</td>
<td>2 x Temp. Pt100 / Pt1000 RTD</td>
</tr>
<tr>
<td>G60X</td>
<td>2 x 4-20 mA (active/passive), 2 x binary</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Outputs</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>FLUXUS® F60X</td>
<td>2 x 4-20 mA (active/passive), 2 x binary</td>
</tr>
<tr>
<td>G60X</td>
<td>2 x 4-20 mA passive</td>
</tr>
</tbody>
</table>

Precise, flexible and versatile

FLUXUS® F/G60X Series

Portable ultrasonic flow measurement of liquids, thermal energy, gases, compressed air and steam

www.flexim.com
FLEXIM’s range of FLUXUS® G60X portable gas flow meters not only cover virtually any gaseous medium, they also include all liquid flow measuring capabilities at the FLUXUS® F60X series meter series making them a truly comprehensive tool.

For liquids and gases: FLUXUS® G60X

When measuring gas filled pipes, the FLUXUS® G60X portable flow meter is the system of choice. Independent of the pipe’s pressurisation and with virtually no limitation in terms of measurable media – even wet gas isn’t a challenge – it is the perfect measuring solution for the oil & gas and chemical industry.

For liquids, thermal energy, gases and compressed air: FLUXUS® G60X CA Energy

Equipped with temperature and current inputs, the product variant FLUXUS® G60X CA Energy is the most versatile multi-tool for various measuring tasks:

- From monitoring liquid and thermal energy streams up to gas flow rates – including compressed air – it is the ideal portable measuring system for usage within the framework of plant wide industrial energy audits.

One for all – including steam: FLUXUS® G601 ST

As the world’s only portable steam flow meter, the FLUXUS® G601 ST is the benchmark of non-invasive clamp-on ultrasonic flow measurement. Engineered for low pressure and low steam temperature applications, it is an ideal companion in various industries ranging from food & beverage to the pharmaceutical and chemical sector. Additionally, it also measures thermal energy and flow rates of virtually any liquid or gaseous medium.

Welcome to the most versatile and industry-proven portable flow meter

The FLUXUS® F/G60X portable flow meter series is the instrumentation standard in many industries, ranging from the Oil & Gas and Chemical Industry to HVAC, Water & Wastewater, Food & Beverages, Pharma and many more. Independent of the environment and pipe conditions, it accurately and reliably measures:

- virtually any liquid – independent of viscosity and temperature from as low as -190 °C up to +600 °C and even with solid or gaseous entrainments
- virtually any gas – independent of the pressurisation, including compressed air and steam, and not affected by gas wetness (up to LWF of 5%) as well as
- thermal energy flow rates of liquid heat transferring media (boiler, heat transfer oils, etc.)

Moreover, based on special ATEX, IECEx Zone 2 and FM Class 1, Div. 2 certified variants, time consuming hot work permits are a thing of the past.

Welcome to the most sophisticated portable flow meter

The FLUXUS® F/G60X portable flow meter series is an industrial standard in many industries, ranging from the Oil & Gas and Chemical Industry to HVAC, Water & Wastewater, Food & Beverages, Pharma and many more. Independent of the environment and pipe conditions, it accurately and reliably measures:

- virtually any liquid – independent of viscosity and temperature (from as low as -190 °C up to +600 °C) and even with solid or gaseous entrainments
- virtually any gas – independent of the pressurisation, including compressed air and steam, and not affected by gas wetness (up to LWF of 5%) as well as
- thermal energy flow rates of liquid heat transferring media (boiler, heat transfer oils, etc.)

The FLUXUS® F/G60X portable flow meters are available in various variants, starting as a liquid flow meter up to a multifunctional meter for non-invasive measurement of liquids, heat flow rates and gases – even including compressed air and steam.

The FLUXUS® F/G60X portable flow meters are the ideal tool for:

- Spot metering for continuous process optimisation
- Check metering of existing stationary meters
- Periodic replacement of existing meters
- Plant wide flow and thermal energy audits
- Consumption monitoring
- Efficiency determination of pumps, heat exchangers, etc.

For liquids: FLUXUS® F60X

The standard FLUXUS® F60X portable liquid flow meter allows for the measurement of virtually any liquid media – from water over high viscosity oils to chemicals such as acids and caustics up to slurries. In conjunction with the WaveInjector® transducer mounting, the meter can even measure at extreme pipe wall temperatures from as low -190 °C up to +600 °C.

For liquids and thermal energy flows: FLUXUS® F60X Energy

The FLUXUS® F60X Energy is the portable meter of choice for monitoring of thermal energy flow rates e.g. balancing of chillers / heat exchangers, application of heat exchangers, etc., making it a standard flow metering tool for HVAC applications as well as energy efficiency tasks in any kind of industrial environment.

In terms of media and applicable pipe wall temperatures it offers the same possibilities as the standard FLUXUS® F60X portable meter.
FLEXIM’s range of FLUXUS® G60X portable gas flow meters not only cover virtually any gaseous medium, they also include all liquid flow metering capabilities of the FLUXUS® F60X series meter series making them a truly comprehensive tool.

**Solutions for any flow metering application**

The FLUXUS® F/G60X portable flow meters are available in various variants, starting as a liquid flow meter up to multifunctional meters for non-invasive measurement of liquids, heat flow rates and gases – even including compressed air and steam. Whichever the FLUXUS® F60X meter series is designed for non-hazardous area related applications, the FLUXUS® F60X series is ATEX-, IECEx zone 2 (1) and FM Class I, Div. 2 (1) certified, making them the world’s only portable flow meters with hazardous area approval.

The FLUXUS® F60X portable flow meters all use the ideal tool for:

- Spot metering for continuous process optimisation
- Check metering of existing stationary meters
- Permanently replaced existing meters
- Plant wide flow and thermal energy audits
- Consumption monitoring
- Efficiency determination of pumps, heat exchangers, etc.

**For liquids: FLUXUS® F60X**

The standard FLUXUS® F60X portable liquid flow meter allows for the measurement of virtually any liquid media – from water over high viscosity oil to chemicals such as acids and caustics up to slurries. In conjunction with the WaveInjector® transducer mounting, the meter can even measure at extreme pipe wall temperatures from as low -190 °C up to +600 °C.

**For liquids and thermal energy flows: FLUXUS® F60X Energy**

The FLUXUS® F60X Energy is the portable meter of choice for monitoring of thermal energy flow rates e.g. balancing of chillers, heat exchangers, etc., making it a standard flow metering tool for HVAC applications as well as energy efficiency tasks in any kind of industrial environment. In terms of media and applicable pipe wall temperatures it offers the same possibilities as the standard FLUXUS® F60X portable meter.

**For liquids and gases: FLUXUS® G60X**

When measuring gas filled pipes, the FLUXUS® G60X portable flow meter is the system of choice. Independent of the pipe’s pressurisation and with virtually no limitation in terms of measurable media – even wet gas isn’t a challenge – it is the perfect measuring solution for the oil & gas and chemical industry.

**For liquids, thermal energy, gases and compressed air:** FLUXUS® G60X CA Energy

Equipped with temperature and current inputs, the product variant FLUXUS® G60X CA Energy is the most versatile multi-tool for various measuring tasks: From monitoring liquid and thermal energy streams up to gas flow rates – including compressed air – it is the ideal portable measuring system for usage within the framework of plant wide industrial energy audits.

**One for all – including steam: FLUXUS® G601 ST**

As the world’s only portable steam flow meter, the FLUXUS® G601 ST is the benchmark of non-invasive clamp-on ultrasonic flow measurement. Engineered for low pressure and low steam temperature applications, it is an ideal companion in various industries ranging from food & beverage to the pharmaceutical and chemical sector. Additionally, it also measures thermal energy and flow rates of actually any liquid or gaseous medium.

**Fit for industrial purpose**

With the transmitter residing in a sturdy housing and the transducers and cables being stainless steel armored, FLUXUS® F/G60X offers unrivalled durability for long-term stable flow measurements. Its internal battery allows for up to 25 hrs. of autonomous measurement.

Moreover, based on special ATEX, IECEx Zone 2 and FM Class I, Div. 2 certified variants, time consuming hot work permits are a thing of the past.

**Flow Measurement on the go**

The FLUXUS® F/G60X portable flow meter series is the instrumentation standard in many industries, ranging from the Oil & Gas and Chemical Industry to HVAC, Water & Wastewater, Food & Beverages, Pharma and many more. Independent of the environment and pipe conditions, it accurately and reliably measures:

- virtually any liquid – independent of viscosity and temperature from as low as -190 °C up to +600 °C and even with solid or gaseous entrainments.
- virtually any gas – independent of the pressurisation, including compressed air and steam, and not affected by gas wetness up to L enrichment up to 5% as well.
- thermal energy flow rates of liquid heat transferring media (water, heat transfer oil, etc.)

**Welcome to the most versatile and industry-proven portable flow meter**

The FLUXUS® F/G60X portable flow meter series is the instrumentation standard in many industries, ranging from the Oil & Gas and Chemical Industry to HVAC, Water & Wastewater, Food & Beverages, Pharma and many more. Independent of the environment and pipe conditions, it accurately and reliably measures:

- virtually any liquid – independent of viscosity and temperature from as low as -190 °C up to +600 °C and even with solid or gaseous entrainments.
- virtually any gas – independent of the pressurisation, including compressed air and steam, and not affected by gas wetness up to L enrichment up to 5% as well.
- thermal energy flow rates of liquid heat transferring media (water, heat transfer oil, etc.)
#### Technical Data

**FLUXUS® F/G60X Series**

**Portable Liquid Flow Meters**

<table>
<thead>
<tr>
<th>Feature</th>
<th>FLUXUS® F60X</th>
<th>FLUXUS® G60X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement of</td>
<td>Volumetric flow, mass flow rate</td>
<td>Volumetric flow, mass flow rate</td>
</tr>
<tr>
<td>Flow velocities</td>
<td>0.15 to 35 m/s (dependent on pipe diameter)</td>
<td>0.01 to 60 m/s</td>
</tr>
<tr>
<td>Mass flow rate</td>
<td>±1.0% of reading ±0.005 m/s</td>
<td>±0.5% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40 °C to +240 °C (with WaveInjector)</td>
<td>-40 °C to +240 °C; Steam: +135 °C to +180 °C</td>
</tr>
<tr>
<td>Pipe size range (I.D.)</td>
<td>6 mm to 6500 mm</td>
<td>6 mm to 6500 mm</td>
</tr>
<tr>
<td>Communication</td>
<td>Modbus RTU</td>
<td>Modbus RTU</td>
</tr>
<tr>
<td>Inputs</td>
<td>4 x Temp. Pt100 / Pt1000 RTD</td>
<td>2 x Temp. Pt100 / Pt1000 RTD</td>
</tr>
<tr>
<td>Outputs</td>
<td>2 x 4-20 mA (active/passive), 2 x binary</td>
<td>2 x 4-20 mA (active/passive), 2 x binary</td>
</tr>
</tbody>
</table>

**Portable Gas and Liquid Flow Meters**

<table>
<thead>
<tr>
<th>Feature</th>
<th>FLUXUS® F60X</th>
<th>FLUXUS® G60X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement of</td>
<td>Volumetric flow</td>
<td>Volumetric flow</td>
</tr>
<tr>
<td>Flow velocities</td>
<td>±1 to 3% of reading ±0.005 m/s</td>
<td>±1 to 3% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Mass flow rate</td>
<td>±1% of reading ±0.005 m/s</td>
<td>±1% of reading ±0.005 m/s</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-27 °C to +60 °C (Steam: -19 °C to +180 °C)</td>
<td>-27 °C to +60 °C</td>
</tr>
<tr>
<td>Pipe size range (I.D.)</td>
<td>6 mm to 6500 mm</td>
<td>6 mm to 6500 mm</td>
</tr>
<tr>
<td>Communication</td>
<td>Modbus RTU</td>
<td>Modbus RTU</td>
</tr>
<tr>
<td>Inputs</td>
<td>2 x Temp. Pt100 / Pt1000 RTD</td>
<td>2 x Temp. Pt100 / Pt1000 RTD</td>
</tr>
<tr>
<td>Outputs</td>
<td>2 x 4-20 mA (active/passive), 2 x binary</td>
<td>2 x 4-20 mA (active/passive), 2 x binary</td>
</tr>
</tbody>
</table>

**Hazardous Area Protection:**

- Liquids: ATEX, IECEx Zone 2 and FM Class I, Div. 2 certified
- Gases: ATEX, IECEx Zone 2 and FM Class I, Div. 2 certified
- Steam: ATEX, IECEx Zone 2 and FM Class I, Div. 2 certified

**Pipe Size Range (I.D.):**

- Liquids: 6 mm to 6500 mm
- Gases: 6 mm to 6500 mm
- Steam: 6 mm to 6500 mm

**Communication:**

- Modbus RTU

**Inputs:**

- 4 x Temp. Pt100 / Pt1000 RTD
- 2 x binary

**Outputs:**

- 2 x 4-20 mA (active/passive), 2 x binary

**Data evaluation made easy**

In connection with FLEXIM’s elaborated FluidLog Software, efficient measurement data evaluation, interpretation and recommendation is as easy as it can get. By downloading measurement data from the meter, FluidLog offers statistical data analysis and extensive graphical visualisation helping to gain an in-depth understanding of the process. With its excellent reporting options, it is the ideal tool to comply with industry standards for regular verification of existing meters and plant wide flow audits.

**When measuring matters**

FLEXIM offers a wide range of applications and industries that benefit from our ultrasonic flow measurement technology, including:

- Oil & Gas
- Chemical & Petrochemical
- Water & Wastewater
- Power Generation
- HVAC
- Pharmaceutical
- Food & Beverage
- Semiconductor
- Mining
- General Production

**FLEXIM**

- Germany: Phone: +49 30 93 66 76 60 info@flexim.com
- Austria: Phone: +43 33 26 529 81 office@flexim.at
- France: Phone: +33 4 27 46 52 10 benelux@flexim.com
- UK: Phone: +44 1606 781 420 FLEXIM Instruments UK Ltd.
- Chile: Phone: +56 2 22 35 52 25 info@flexim.cl
- USA: Phone: +1 63 14 92 23 00 www.flexim.com
- Argentina: Phone: +54 11 49 20 71 00 FLEXIM S.A., Chile
- India: Phone: +91 98114 49285 salesindia@flexim.com
- South America, Argentina: Phone: +54 11 49 20 71 00 www.escoarg.com.ar
- China: Phone: +86 21 61 26 35 59 shanghai@flexim.com
- Singapore: Phone: +65 67 94 53 25 FLEXIM Instruments Asia Pte Ltd.
- France: Phone: +33 1 47 46 65 60 FLEXIM Service and Support Center
- Germany: Phone: +49 30 93 66 76 60
- South America, Argentina: Phone: +54 11 49 20 71 00 www.escoarg.com.ar
- Chile: Phone: +56 2 22 35 52 25 info@flexim.cl
- USA: Phone: +1 63 14 92 23 00 www.flexim.com

**www.flexim.com**

**When measuring matters**

FLEXIM offers a wide range of applications and industries that benefit from our ultrasonic flow measurement technology, including:

- Oil & Gas
- Chemical & Petrochemical
- Water & Wastewater
- Power Generation
- HVAC
- Pharmaceutical
- Food & Beverage
- Semiconductor
- Mining
- General Production

**FLEXIM**

- Germany: Phone: +49 30 93 66 76 60 info@flexim.com
- Austria: Phone: +43 33 26 529 81 office@flexim.at
- France: Phone: +33 4 27 46 52 10 benelux@flexim.com
- UK: Phone: +44 1606 781 420 FLEXIM Instruments UK Ltd.
- Chile: Phone: +56 2 22 35 52 25 info@flexim.cl
- USA: Phone: +1 63 14 92 23 00 www.flexim.com
- Argentina:Phone: +54 11 49 20 71 00 www.escoarg.com.ar
- China: Phone: +86 21 61 26 35 59 shanghai@flexim.com
- Singapore: Phone: +65 67 94 53 25 FLEXIM Instruments Asia Pte Ltd.
- France: Phone: +33 1 47 46 65 60 FLEXIM Service and Support Center
- Germany: Phone: +49 30 93 66 76 60
- South America, Argentina: Phone: +54 11 49 20 71 00 www.escoarg.com.ar
- Chile: Phone: +56 2 22 35 52 25 info@flexim.cl
- USA: Phone: +1 63 14 92 23 00 www.flexim.com

**www.flexim.com**