

S-MicroW



S-MicroW temperature data logger features different versions with probe of standard or on demand lengths, flexible or bendable. **Accredia traceable calibration certificate is included.**

S-MicroW L – Temperature data logger with different lengths external probe (probes cannot be switched) on a 3 mm base (base height is not counted for probe length), up to 250°C (above 140°C sensor only), managed with Windows software and USB interface. **Accredia traceable calibration certificate is included (calibration standard points: 25/50/75/100/121/140°C).**



Dimensions	39 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Probe 20/50/100/150/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	Data logger: -40 °C ÷ +140 °C Probe: -40 °C ÷ +250 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +10.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW L Flexible – Temperature data logger with 30 cm flexible probe and 50 mm or on demand length external probe (probes cannot be switched) on a 3 mm base (base height is not counted). **Accredia traceable calibration certificate is included**



Dimensions	39 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Flexible probe 300 l X 4 Ø (mm) Probe 50/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	-40 °C ÷ +140 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +10.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW L Bendable 2 mm – Temperature data logger with 30 cm bendable probe, 2 mm diameter (first and last 15 mm cannot be bent) on a 3 mm base (base height is not counted for probe length), up to 250°C (above 140°C sensor only). **Reference traceable calibration certificate included (calibration standard points: 25/50/75/100/121/140°C).**



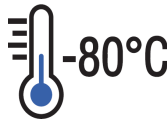
**UP TO 140 °C
OR UP TO 250 °C
SENSOR ONLY**



Dimensions	39 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Bendable probe 300/on demand l X 2 Ø (mm)
Temperature range	Data logger: -40 °C ÷ +140 °C Probe: -40 °C ÷ +250 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +10.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW L Ultra Freeze – Temperature data logger with 20 or 100 mm (probes cannot be switched) on a 3 mm base (base height is not counted for probe length), from -80°C up to 140°C, managed with Windows software and USB interface. **Reference traceable calibration certificate is included (calibration standard points: -40/-20/0/25/50/75/100/121/140°C).** With calibration from -40°C it can be used also at -80°C with an accuracy of maximum ± 0,5 °C within range -80 °C ÷ -40 °C. If -80°C is requested to be on the certificate, an extra calibration point for very low temperatures must be purchased (± 0,2 °C accuracy).

Note: mission max duration at -80°C: 12 hours. Order special -80°C batteries for longer processes.



Dimensions	39 h X 21 (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Probe 20/100/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	-80 °C ÷ +140 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range) ± 0,5 °C (-80 °C ÷ -40 °C without -80°C point)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +10.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW L Tri-Clamp – Temperature data logger with Tri-Clamp connection for pipes and machineries and an on demand length on a 3 mm base (base height is not counted for probe length), up to 250°C (above 140°C sensor only), managed with Windows software and USB interface. **Accredia traceable calibration certificate is included (calibration standard points: 25/50/75/100/121/140°C).**



**UP TO 140 °C
OR UP TO 250 °C
SENSOR ONLY**

Dimensions	39 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Probe on demand l X 3 Ø (mm) Tri-Clamp connection: 25 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	Data logger: -40 °C ÷ +140 °C Probe: -40 °C ÷ +250 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +10.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW XL – Temperature data logger with 20 or 50 or 100 or 150 mm or on demand length external probe (probes cannot be switched) on a 3 mm base (base height is not counted for probe length), up to 250°C (above 140°C sensor only), managed with Windows software and USB interface. **Accredia traceable calibration certificate is included (calibration standard points: 25/50/75/100/121/140°C).**



**UP TO 140 °C
OR UP TO 250 °C
SENSOR ONLY**

**HEAT PROTECTIONS
AVAILABLE**



Dimensions	64 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Probe 20/50/100/150/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	Data logger: -40 °C ÷ +140 °C Probe: -40 °C ÷ +250 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +17.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW XL Flexible – Temperature data logger with 30 cm flexible probe and 50 mm or on demand length external probe (probes cannot be switched) on a 3 mm base (base height is not counted for probe length), up to 140°C, managed with Windows software and USB interface. **Accredia traceable calibration certificate is included (calibration standard points: 25/50/75/100/121/140°C).**



Dimensions	69 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Flexible probe 300 l X 4 Ø (mm) Probe 50/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	-40 °C ÷ +140 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +17.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW XL Bendable 2 mm – Temperature data logger with 30 cm bendable probe, 2 mm diameter (first and last 15 mm cannot be bent) on a 3 mm base (base height is not counted for probe length), up to 250°C (above 140°C sensor only). **Reference traceable calibration certificate included (calibration standard points: 25/50/75/100/121/140°C).**



Dimensions	69 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Bendable probe 300/on demand l X 2 Ø (mm)
Temperature range	Data logger: -40 °C ÷ +140 °C Probe: -40 °C ÷ +250 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +17.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW XL Ultra Freeze – Temperature data logger with 20 or 100 mm (probes cannot be switched) on a 3 mm base (base height is not counted for probe length), from -80°C up to 140°C, managed with Windows software and USB interface. **Accredia traceable calibration certificate is included (calibration standard points: -40/-20/0/25/50/75/100/121/140°C)**. With calibration from -40°C it can be used also at -80°C with an accuracy within ± 0,5 °C within range -80 °C ÷ -40 °C. If -80°C is requested to be on the certificate, an extra calibration point for very low temperatures must be purchased (± 0,2 °C accuracy).

Note: mission max duration at -80°C: 12 hours. Order special -80°C batteries for longer processes.



Dimensions	64 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Probe 20/100/on demand l X 3 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	-80 °C ÷ +140 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range) ± 0,5 °C (-80 °C ÷ -40 °C without -80°C point)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +17.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW XL Tri-Clamp – Temperature data logger with Tri-Clamp connection for pipes and machineries and an on demand length on a 3 mm base (base height is not counted for probe length), up to 250°C (above 140°C sensor only), managed with Windows software and USB interface. **Accredia traceable calibration certificate is included (calibration standard points: 25/50/75/100/121/140°C)**.



**UP TO 140°C
OR UP TO 250°C
SENSOR ONLY**

Dimensions	64 h X 21 Ø (mm)
Probe dimensions	Probe base dimensions 3 h X 14 Ø (mm) Probe on demand l X 3 Ø (mm) Tri-Clamp connection: 25 Ø (mm) (l on demand: min. 12 mm / max. 175 mm. For longer probes ask for quotation)
Temperature range	Data logger: -40 °C ÷ +140 °C Probe: -40 °C ÷ +250 °C
Material	Stainless steel AISI316L, PEEK
Temperature resolution	0,01 °C
Temperature accuracy	± 0,1 °C (valid in the calibration range)
Memory	20.224
Acquisition rate	From 1 second up (in steps of 1 second)
Battery life	user replaceable +17.000.000 acquisitions at 1 second step continuously (calculated time @25°C. Battery life may be shorter if used in low temperatures)

S-MicroW series accessories - Heat protections

Some heat protections for some data logger models to be used at temperatures higher than the max operative one for limited time are available. There are two heat protections for the S-MicroW XL that can be used in combination (to use the second one you will need the first one too). Max calibrable temperature is 250°C and extra calibration points must be purchased.

S-Micro/S-MicroW XL heat protection 1 – Heat protection for S-Micro XL and S-MicroW XL data logger, protects up to 250°C (220°C max calibrable and readable temperature for S-Micro XL) for a maximum of 17 minutes (check the website for the complete curve of time and temperatures).



Dimensions	190 h X 37 Ø (mm)
Data loggers	S-Micro XL / S-MicroW XL
Minimum probe length	50 mm

S-Micro/S-MicroW XL heat protection 2 – Heat protection for S-Micro XL and S-MicroW XL data logger, resistant up to 300°C, protects up to 250°C (220°C max calibrable and readable temperature for S-Micro XL) for a maximum of 134 minutes (check the website for the complete curve of time and temperatures). In order to use this protection Heat Protection 1 for S-Micro XL/S-MicroW XL must be purchased and used also.



Dimensions	240 h X 68 Ø (mm)
Data loggers	S-Micro XL / S-MicroW XL
Minimum probe length	80 mm