

Product information

Scrutineering Data Logger / GT Summer Series



PI

memotec GmbH
Bauwaldstrasse 1
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www.me-mo-tec.de

Scope of supply

All cars



Components

1	AiM evo5 Scrutineering Data Logger	6	Holder kit SDL Logger
2	AiM GPS Module GPS System	7	Mini USB Adapter USB connection to PC
3	Extension for pressure sensor Binder 711 - 711, 4-p, 3000 mm	8	Fixation Rivet nut and Silentbloc
4	Pmanifold pressure sensor 0-3 bar absolute, Binder 711, 4-p	9	Tube Kit pressure sensors D03 tubes with adapters
5	Harness 37-p, SDL with Deutsch DTM connector for CAN		

Order sheet

Invoice address

Company	
Contact person	
Address	
E-Mail	
Telephone	
VAT Reg. No	

Delivery address

Company	
Contact person	
Address	
E-Mail	
Tel.	

Data Logger Kit purchase

Part no.	Description	Price	Qty.
AEV51-S02	evo5 Kit SDL, without pressure sensor	2.362,00 €	
AEV51-S03	evo5 Kit SDL, with 1 pressure sensor	2.758,00 €	
AEV51-S04	evo5 Kit SDL, with 2 pressure sensors	3.154,00 €	

Connection cable car specific 12V & CAN Bus optional

Part no.	Description	Price	Qty.
CAK-SDL-F2963	Connecting cable SDL, GT3-056, Ferrari 296, DTM06-6S, SS2S	69,00 €	
CAK-SDL-P91R33	Connecting cable SDL, GT3-055, Porsche 992 R, DTM04-8P	73,00 €	
CAK-SDL-BM43	Connecting cable SDL, GT3-053, BMW M4, DTM06-6S, SS2S	86,00 €	
CAK-SDL-M7203	Connecting cable SDL, GT3-052, McLaren 720s, DTM06-6S	69,00 €	
CAK-SDL-AMV32	Connecting cable SDL, GT3-051, Aston Martin Vantage, 8TA6	144,00 €	
CAK-SDL-P91R32	Connecting cable SDL, GT3-050, Porsche 991 R Gen2, DTM04-4P	69,00 €	
CAK-SDL-BC32	Connecting cable SDL, GT3-049, Bentley Continental, DTM06-6S	69,00 €	
CAK-SDL-NGR32	Connecting cable SDL, GT3-048, Nissan Nismo GT-R, DTM06-6S	69,00 €	
CAK-SDL-HN3	Connecting cable SDL, GT3-047, Honda NSX, ASDD	155,00 €	
CAK-SDL-LRCF3	Connecting cable SDL, GT3-046, Lexus RCF, DTM06-6S	69,00 €	
CAK-SDL-CC732	Connecting cable SDL, GT3-045, Corvette C7R, DTM04-4P	69,00 €	
CAK-SDL-F4883	Connecting cable SDL, GT3-044, Ferrari 488, AS607	161,00 €	
CAK-SDL-BM63	Connecting cable SDL, GT3-043, BMW M6, AS108	132,00 €	
CAK-SDL-MGT3	Connecting cable SDL, GT3-042, Mercedes GT, MQS - DT	144,00 €	
CAK-SDL-P91R3	Connecting cable SDL, GT3-041, Porsche 991 R, DTM04-6P	69,00 €	
CAK-SDL-LH3	Connecting cable SDL, GT3-040, Lamborghini Huracan, DTM06-6S	69,00 €	
CAK-SDL-AR83	Connecting cable SDL, GT3-038, Audi R8 LMS, DTM06-6S	69,00 €	
CAK-SDL-TS4	Connecting cable SDL, GT4-039, Toyota Supra, DT06-4S	69,00 €	
CAK-SDL-AR84	Connecting cable SDL, GT4-038, AUDI R8, 3B0 - 8D0	144,00 €	
CAK-SDL-P7184	Connecting cable SDL, GT4-037, Porsche 718 Cayman, DT06-4S	69,00 €	

Connection cable car specific 12V & CAN Bus optional

Part no.	Description	Price	Qty.
CAK-SDL-P7184	Connecting cable SDL, GT4-037, Porsche 718 Cayman, DT06-4S	69,00 €	
CAK-SDL-AM419	Connecting cable SDL, GT4-036, Aston Martin, DTM06-6S	69,00 €	
CAK-SDL-MGT4	Connecting cable SDL, GT4-033, Mercedes GT, MQS - DT	144,00 €	
CAK-SDL-ML5704	Connecting cable SDL, GT4-030, McLaren 570s, DTM06-6S	69,00 €	
CAK-SDL-BM44v2	Connecting cable SDL, GT4-029, BMW M4, AS6 --> DTM	144,00 €	
CAK-SDL-P9814	Connecting cable SDL, GT4-024, Porsche Cayman CS, DTM06-6S	69,00 €	
CAK-SDL-KXB4	Connecting cable SDL, GT4-021, KTM X-Bow, DTM06-6S	69,00 €	
CAK-SDL-P91C11	Connecting cable SDL, Cup, Porsche 991 GT3 Gen. I DTM06-8	226,00 €	
CAK-SDL-P91C21	Connecting cable SDL, Cup, Porsche 991 GT3 Gen. II, DTM06-6S	69,00 €	
CAK-SDL-P92C1	Connecting cable SDL, Cup, Porsche 992 GT3 Gen. I, DTM04-4P	69,00 €	
CAK-SDL-ALL	Connecting cable SDL, open wires	58,00 €	
CAK-SDL-CAN	Connecting cable SDL, OBDII via CAN	69,00 €	
CAK-SDL-KLI	Connecting cable SDL, OBDII via K-Line	69,00 €	

Tube & adapter for pressure sensors

Part no.	Description	Price	Qty.
CFT-SCLA03	Tube pressure sensor, 2 x M10x1 inside, 0°, 1,5 m	86,00 €	
CFT-SCLA06	Tube pressure sensor, 2 x M10x1 inside, 90°, 1,5 m	86,00 €	
CFT-ANSC03	Fitting M10x1 outside, both ends, steel	17,00 €	
CDA-3101	Pressure sensor 0 - 3 bar absolute, 711	242,00 €	
CVK-300101	Extension 300 cm, 711m - 711f, 4 pin	51,00 €	

Included in kit "with 1 pressure sensor" and "with 2 pressure sensors"

Order sheet rental

There is also the possibility to rent the Data Logger AiM evo5 for the races of the GT Summer Series. Therefore you only have to tick the rental rate.

Data Logger Kit rental

Part no.	Description	Price	Qty.
DLG-GTSS	rental rate evo5 SDL, GT Sommer Series, per event	300,00 €	

After receiving your order we will send you an invoice, this has to be paid in advance, then we will either send you the parts or bring them to the racetrack.

At the racetrack you must pay a deposit, depends on the needed parts, to memotec.

The Data logger must be handed in by the latest 60 minutes after opening of the Parc Fermé.

Following parts can't be given back, because the technical condition can't be 100% certified:

- Special connection cable CAN Bus
- Turbo-/ Airbox pressure sensor
- Extension cable 3000 mm, 711 – 711, 4p
- Tube for pressure sensors
- Adapter for pressure sensors

After the event you will receive your deposit back from memotec.

Cost example Dta Logger rental 1 pressure sensor

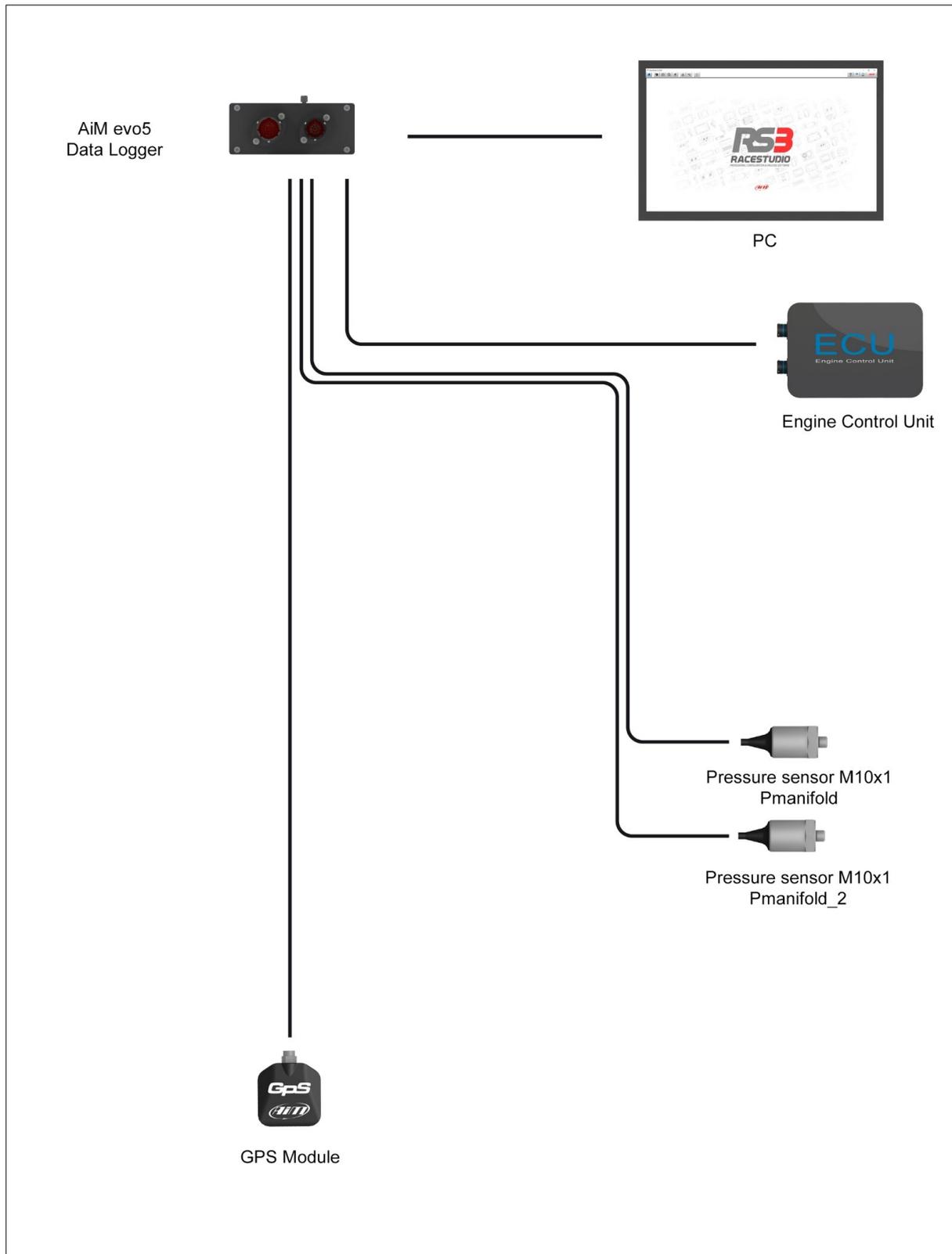
Part no.	Description	Price
DLG-GTSS	rental rate evo5 SDL, GT Sommer Series, per event	300,00 €
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CVK-300101	Extension 300 cm, 711m - 711f, 4 pin	51,00 €
CFT-ANSC03	Fitting M10x1 outside, both ends, steel	17,00 €
CFT-SCLA03	Tube pressure sensor, 2 x M10x1 inside, 0°, 1,5 m	86,00 €
Total		754,00 €
Deposit is to be paid at the registration of the respective event.		2.062,00 €

Components

GT Summer Series

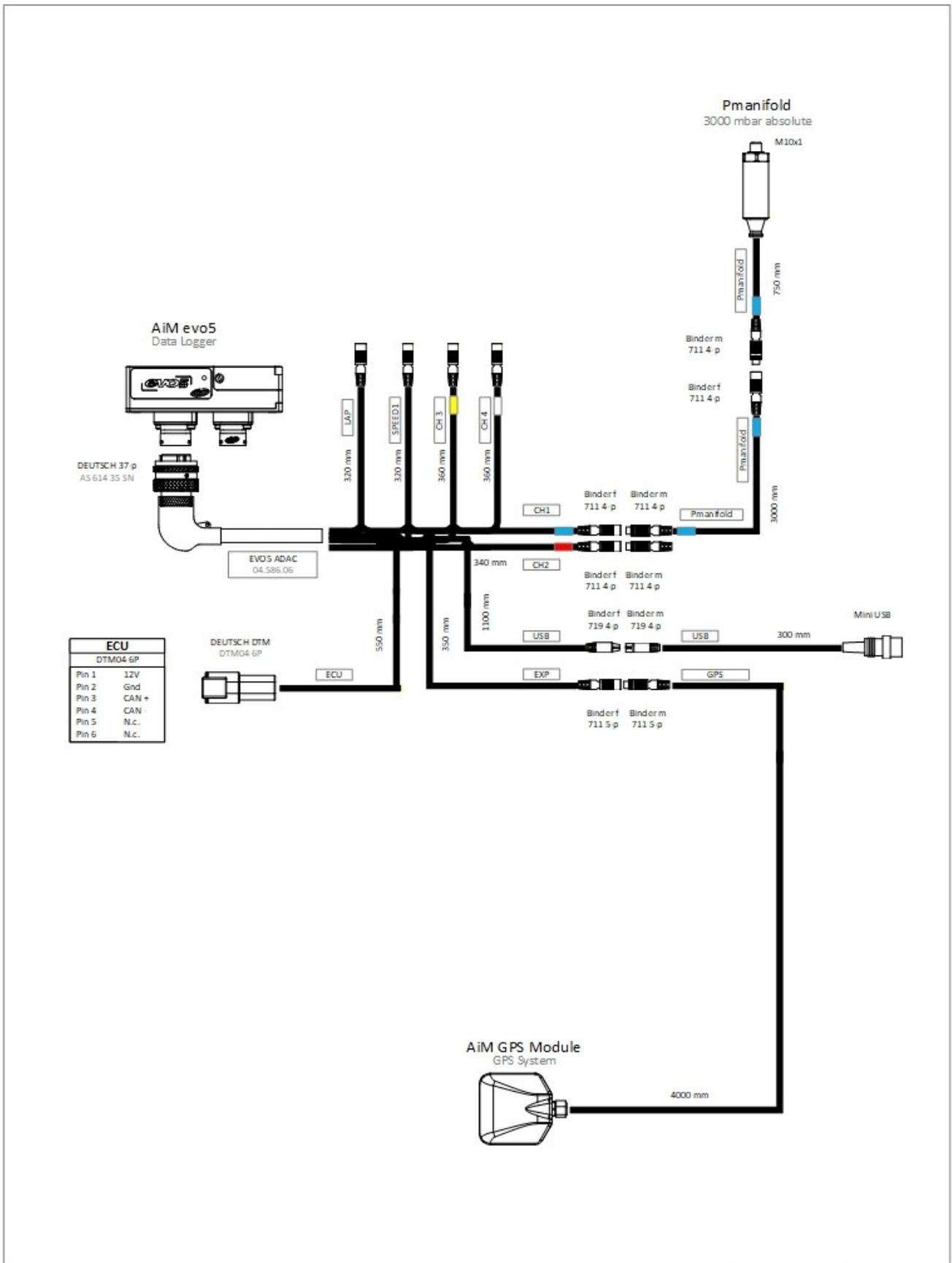
AEV51-oZ	evo5 without accessory, Scrutineering Data Logger Data logger with 3 CAN, WiFi, 8 analogue inputs
CKB-EV5104	Wiring harness evo5, 37 pin, SDL Binder 711 connector and 4 analogue inputs
BGPS91-M400	GPS-09 with 4,0 m cable length GPS System
CAK-USB201	USB-Adapter 719 4-p - Mini USB USB connection to data logger
CHG-SDL02	Holder kit for SDL Logger Holder for various SDL components
CDA-3101	Pressure sensor 0 - 3 bar absolute, 711 Pmanifold, M10x1
CVK-300101	Verlängerung 300cm, 711m – 711w, 4pin Pmanifold pressure sensor
CFT-SCLA06	Tube kit for pressure sensor Length and angle selectable from 0,5 m, 1,0 m, 1,5 m and 0° or 90°
optional	Connection cable, SDL, DTM06-6S CAN Bus adapter, connection between car and Logger (car specific)

Connection example



Designed by TME	Checked by TME	Approved by TME	Drawing N.	Date 28.03.2026	Scale
		Title Connection example Scrutineering Data Logger AiM evo5 GTSS			
		File name AB_SDL_evo5_GTSS_2026_100	Rev 100	Sheet 1 of 1	

Wiring Scrutineering Data Logger



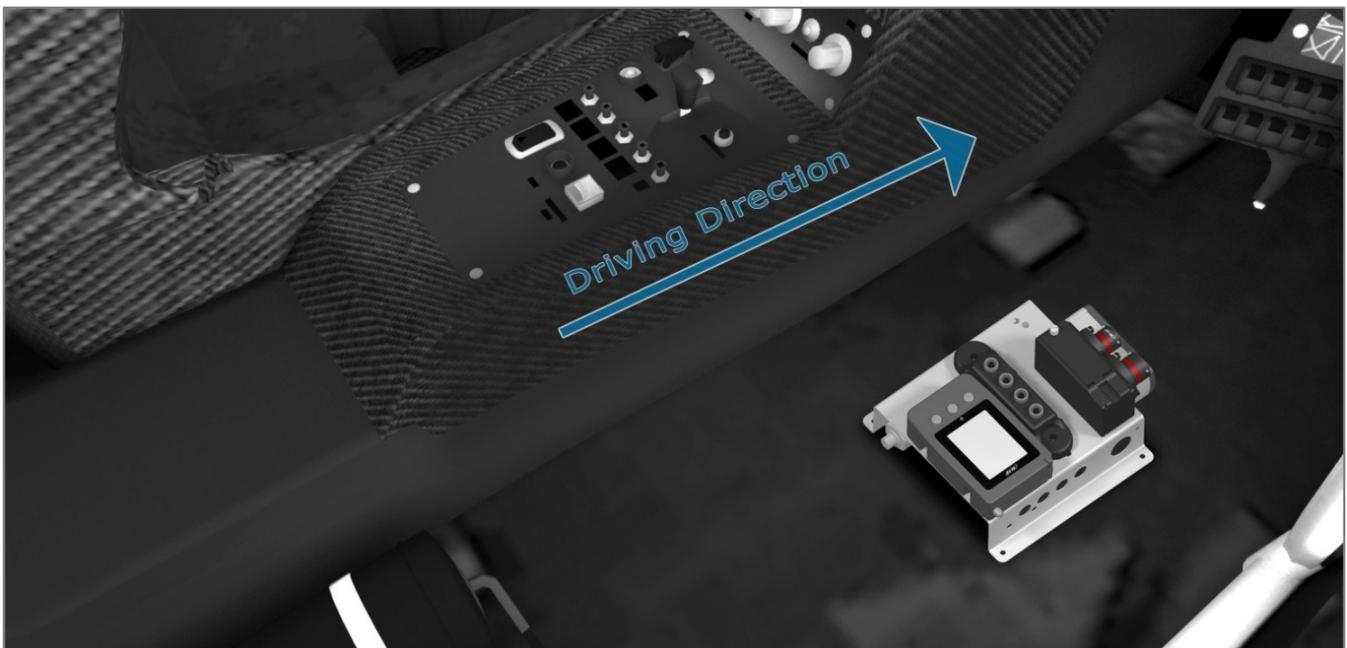
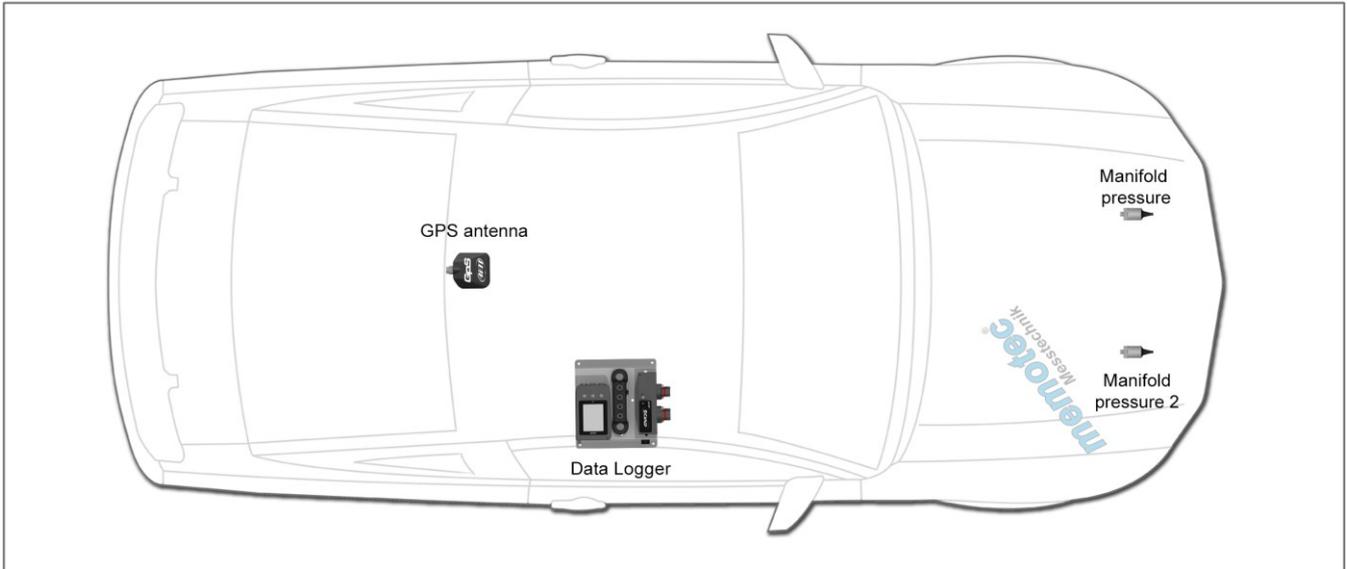
ECU	
DTM04 6P	
Pin 1	12V
Pin 2	Gnd
Pin 3	CAN +
Pin 4	CAN -
Pin 5	N.c.
Pin 6	N.c.

	Title Wiring Scrutineering Data Logger evo5 GT Summer Series 2026	Date 28.03.2026	Rev 100
	File name Wiring_SDL_evo5_GTSS_2026_100	Designed by TME	Sheet 1 of 1

Mounting of the Scrutineering Data Logger parts

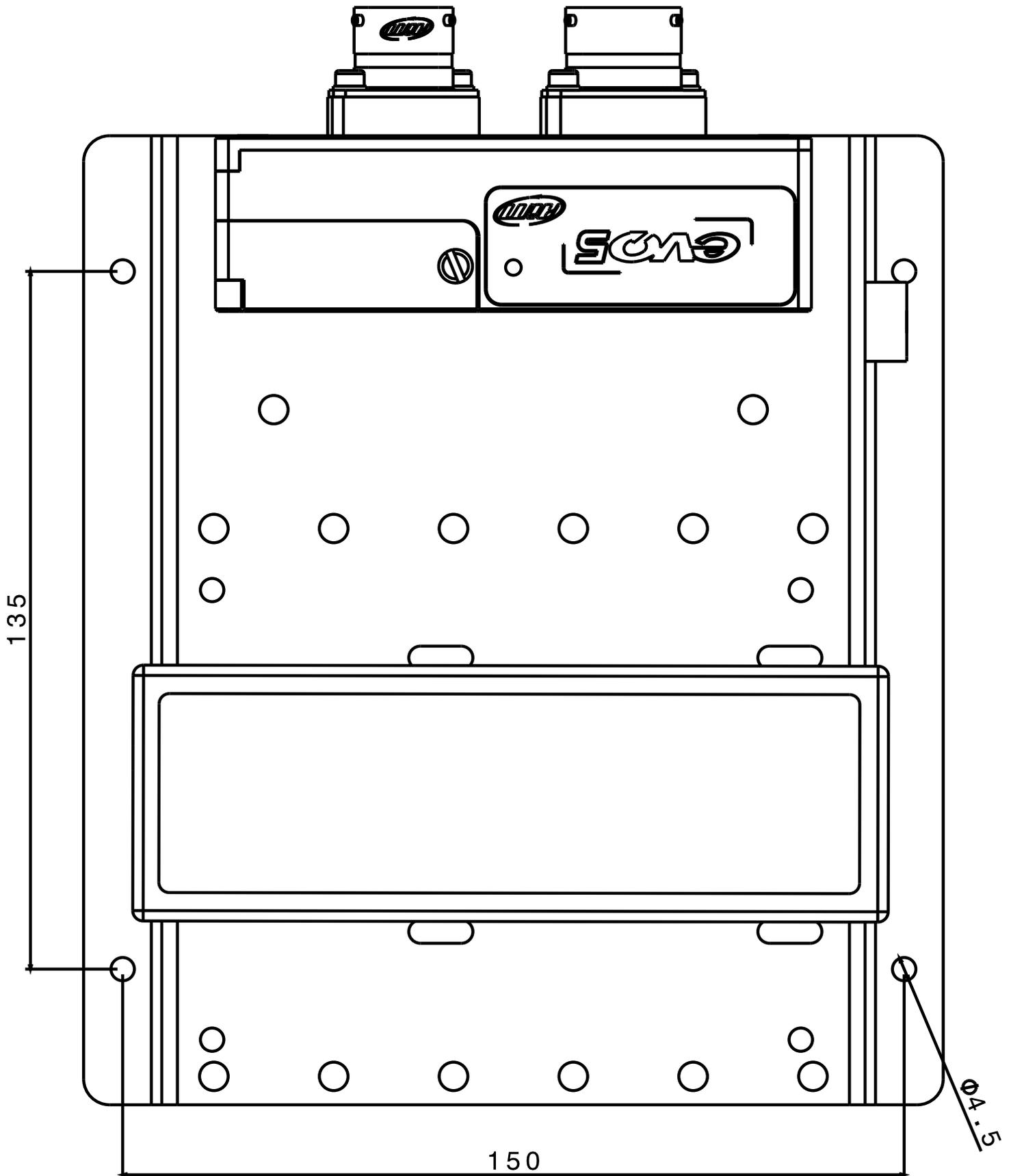
Mounting of the data logger AiM evo5

Mount the data logger AiM evo5 with the stainless steel bracket on the car's floor on the passenger side close to the gear lever. Evo5's connectors must look to the front. The connectors have to be easily accessible. The logger (and also the bracket) has to be rectangular to the centerline of the car. Mark the position of the 4 holes which have to be drilled into the floor plate and then fitted with rivet nuts. Drill 4 holes \varnothing 6.2 mm, install the rivet nuts and mount the silent blocs.

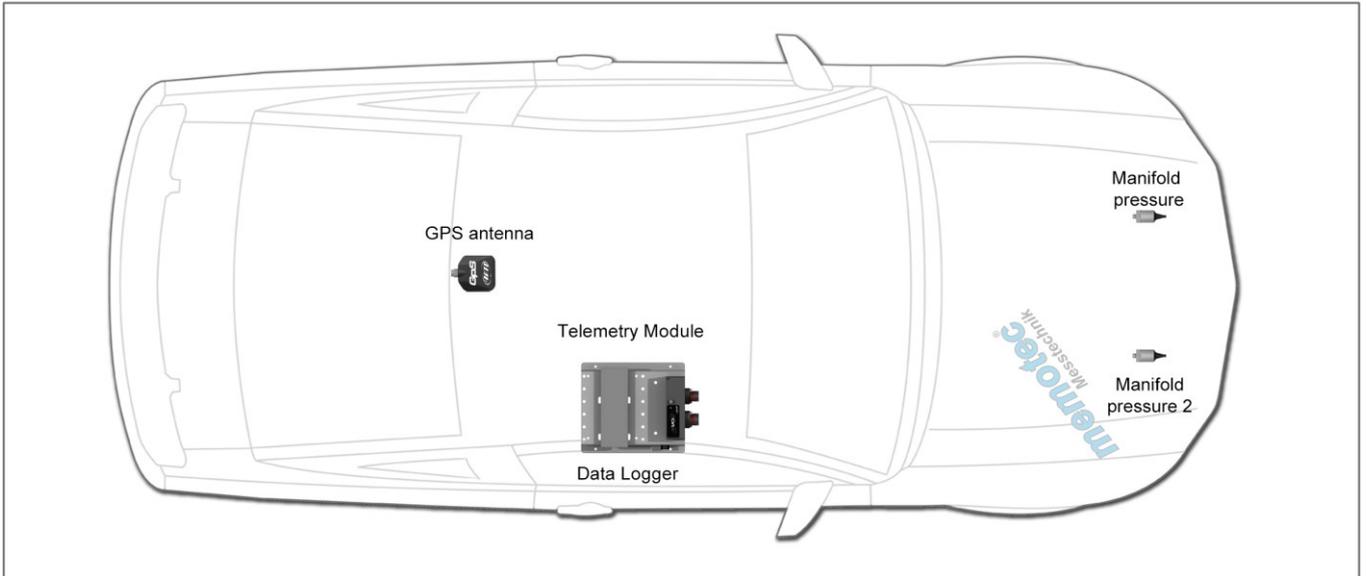


The picture shows the data logger AiM evo5 installed on its bracket with optional SmartyCam HD GP recorder unit and Data Hub.

Drilling template



Comment: The sketch can be used as a drilling template.



GPS antenna

The GPS Antenna must be mounted in a position on the vehicle roof, so there is no other antenna within a 0.5m radius (GPS, radio).



Manifold & Exhaust pressure sensor

Boost pressure: Is measured by memotec sensor CDA-3101. Measuring range 0-3 bar abs., resolution 0.7 mbar. It must **not** be mounted directly into the manifold but connected by a tube and fixed to the chassis (free of vibration and heat).

Use of own tubes

The tube has to be a braided brake line in D-03 with a Fitting that is put to the input manifold. With the pressure sensor comes a fitting with M10x1 inside thread to a D-03 connector to connect the tube to the sensor.



Tube kit pressure sensor



There are versions with straight connections to the intake manifold and 90° angled connection. Both versions are available in the lengths 0,5m, 1m and 1,5m.

The connection kit for pressure sensors includes:

1. 1/2 Fitting/s D 03 - M10x1, steel (connection for the pressure hose to the engine)
2. 1/2 D03 Steel mesh PTFE-tube/s (in various lengths).

Data storage

The data are stored on a normal SDHC Class 10 SD card.

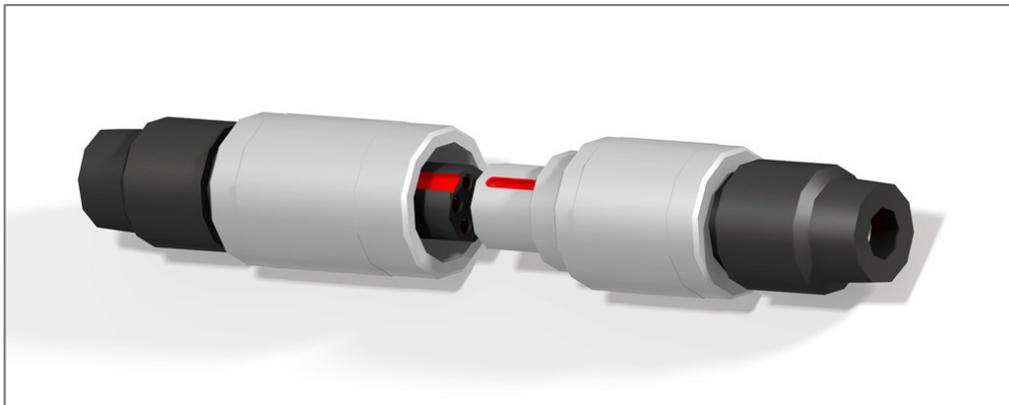


Comments

Important: Install the SDL kit as described in this manual. The position and alignment of all components must be in all vehicles, which take part at the GT Summer Series, identical.

* All prices without vat

Correct position of Binder connector



The red marked notches must be located in the same position.

Pinout Scrutineering Data Logger

SDL Logger	Description		Connector memotec SDL Data Logger					
	Label		ECU					
	Part Number		DTM04-6P					
	Notes		Alle memotec Serien					
1	V Battery	red	3	CAN +	white	5	n.c.	n.c.
2	Ground	black	4	CAN -	blue	6	n.c.	n.c.

CAN Stream information

To enable the communication between the data logger and the vehicle CAN-Bus, we need the stored can stream. In the lower link, the respective channels of the individual race series as well as the communication structure are stored. Please fill in the corresponding form and send it to us.

<http://www.me-mo-tec.de/content/download.aspx?file=4639>

How to check the system

The teams are responsible that the system are switched on and record.

evo5 Data Logger



The LED shows the logger status as for the following table:

Logger status	LED colour	Blinking
Logger in error	Red	Slowly
Recording	Cyan	Still
Idle status	Green	Still

Release History

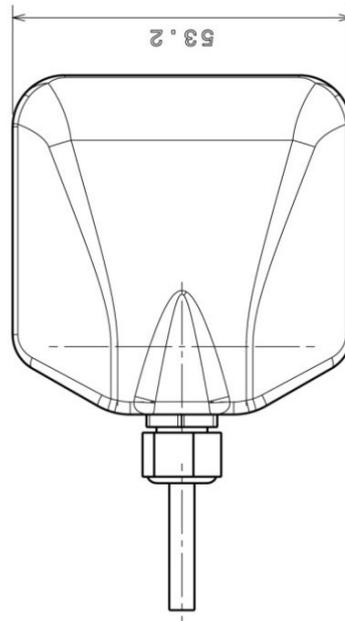
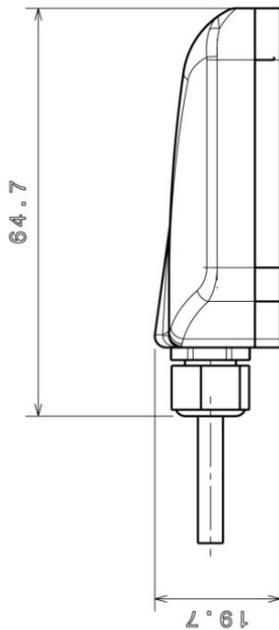
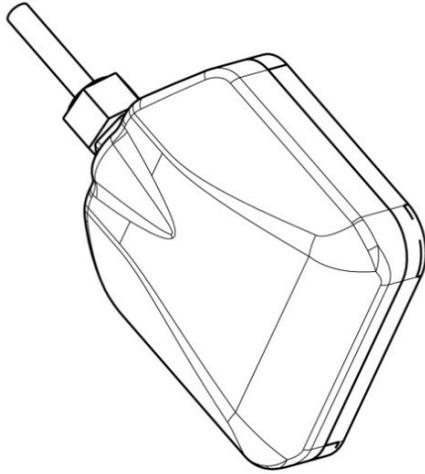
Release	Date	Author	Note
100	28.03.2026	TME	First release

Admeasurements

The image shows an exploded view of the data logger assembly at the top. Below it are three dimensioned views: a side view on the left showing a height of 94.2, a top view in the middle showing a width of 165, and a front view on the right showing a height of 187.5 and a total width of 212.32. The front view also shows the 'evo5' logo on the device.

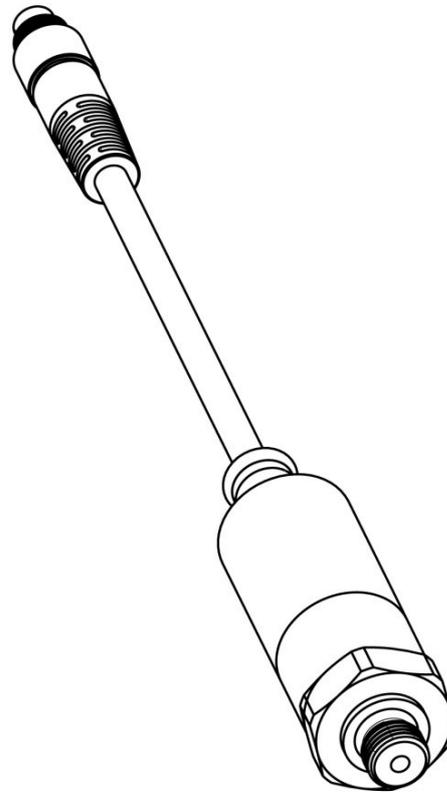
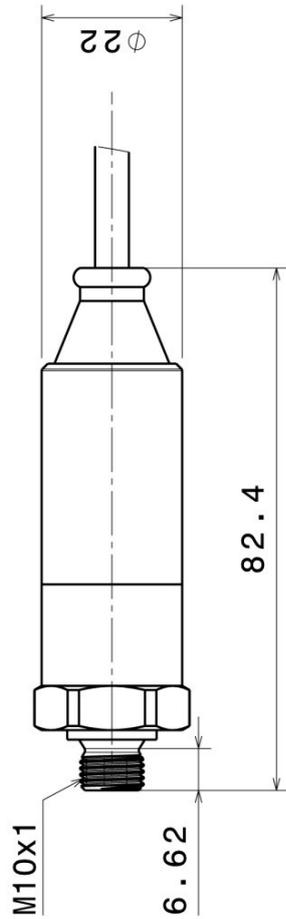
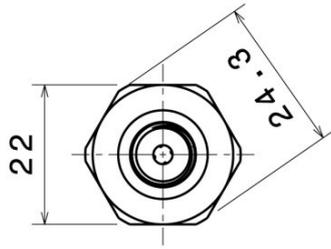
 www.me-mo-tec.de	Title	Dimensions SDL_evo5_VLN_2025	Designed by TME	Date 24.03.2025	Rev 100
	File name	Abmasse_SDL_evo5_VLN_2025_100			

GPS Module



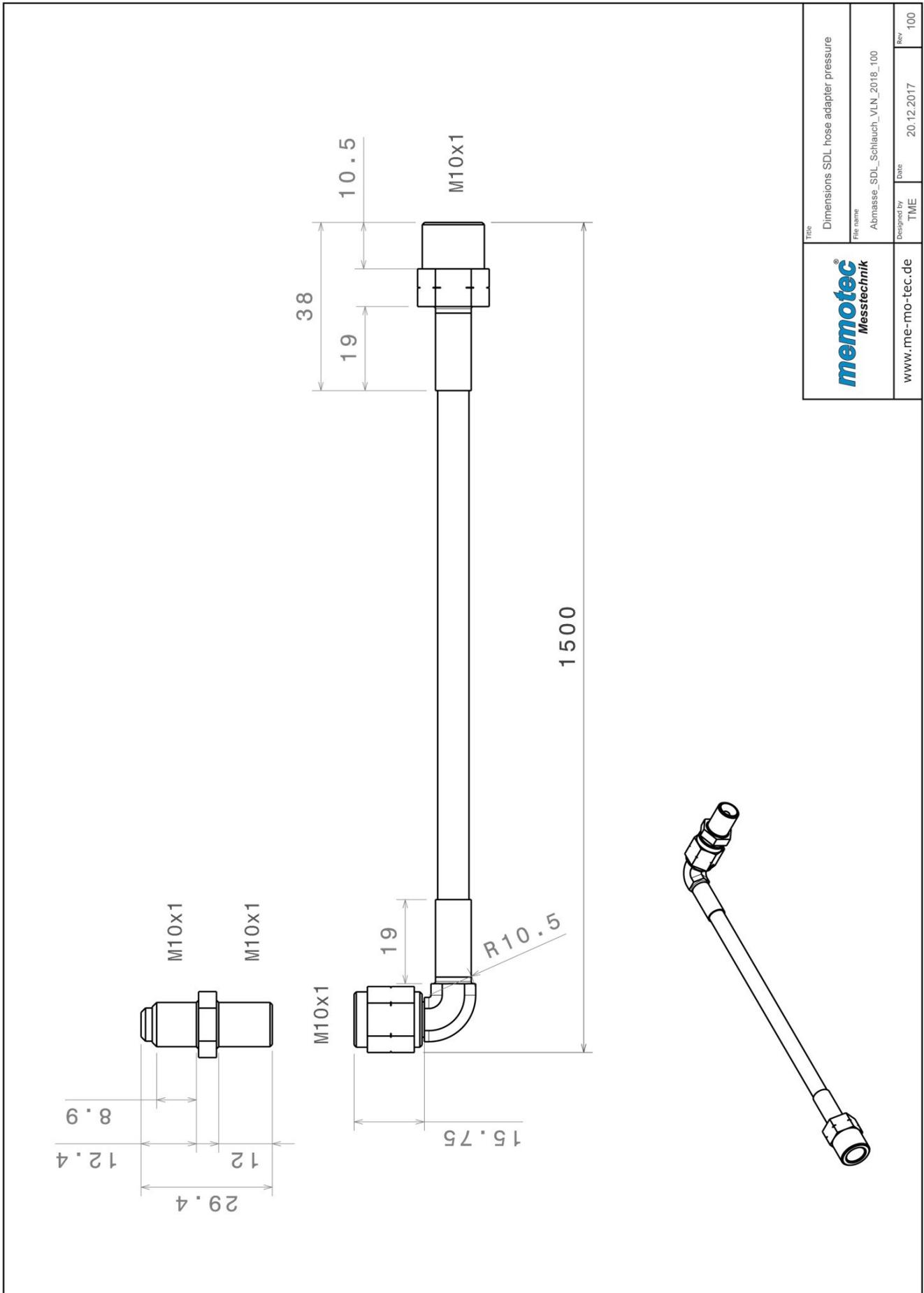
 www.me-mo-tec.de	Title	Dimensions SDL GPS Module
	File name	Abmasse SDL_GPS_VLN_2018_100
	Designed by	TME
	Date	20.12.2017
	Rev.	100

Pressure sensor



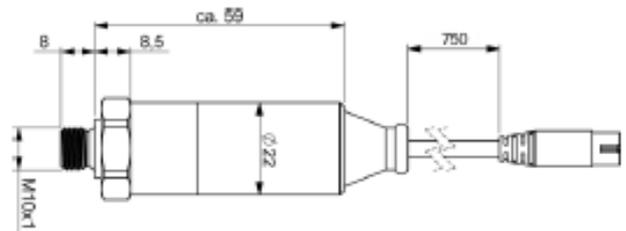
 www.me-mo-tec.de	Title Dimensions SDL Pressure Sensor	
	File name Abmaesse_SDL_Pressure_VLN_2018_100	
	Designed by TME	Date 20.12.2017
		Rev 100

Tube kit pressure sensor



Title		Dimensions SDL hose adapter pressure	
File name		Abmasse_SDL_Schlauch_VLN_2018_100	
Designed by	Date	20.12.2017	Rev
TME			100
www.me-mo-tec.de		memotec® Messtechnik	

Technical Documentation pressure sensor

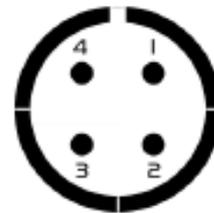


Informations

Mechanical	
Housing	304 Stainless steel
Medium	All fluids and gases
Pressure port	M10 x 1
Shock	1000g, 11ms, ½ sinus
Vibration	25g (peak), 20...2000 Hz
Protection class	IP66
Overload pressure	Up to 2x rated press.
Burst pressure	Up to 5x rated press
Cable length (ca.)	75 cm
Weight (ca.)	80 gr.
Temperature	
Medium temp.	-40 °C – 125 °C
Ambient temp.	-40 °C – 105 °C
Storage temp.	-40 °C – 125 °C
Compensated range	-20 °C – 85 °C
Electric	
Power supply	10 – 32 VDC
Output voltage	0 – 5 V, linear
Output impedance	< 100 Ohm
Current consumption	< 10 mA
Reverse volt. protection	Yes
Performance	
Accuracy @RT	< 1,0 %
Linearity error	< 0,15 % F.S.
Repeatability	< 0,10 % F.S.
Stability (1 year)	< 0,10 %
Response time	< 1 ms
Pressure cycles	> 10 Million

Pinout

Pin1	Signal
Pin2	Ground
Pin3	Power supply
Pin4	n.c.



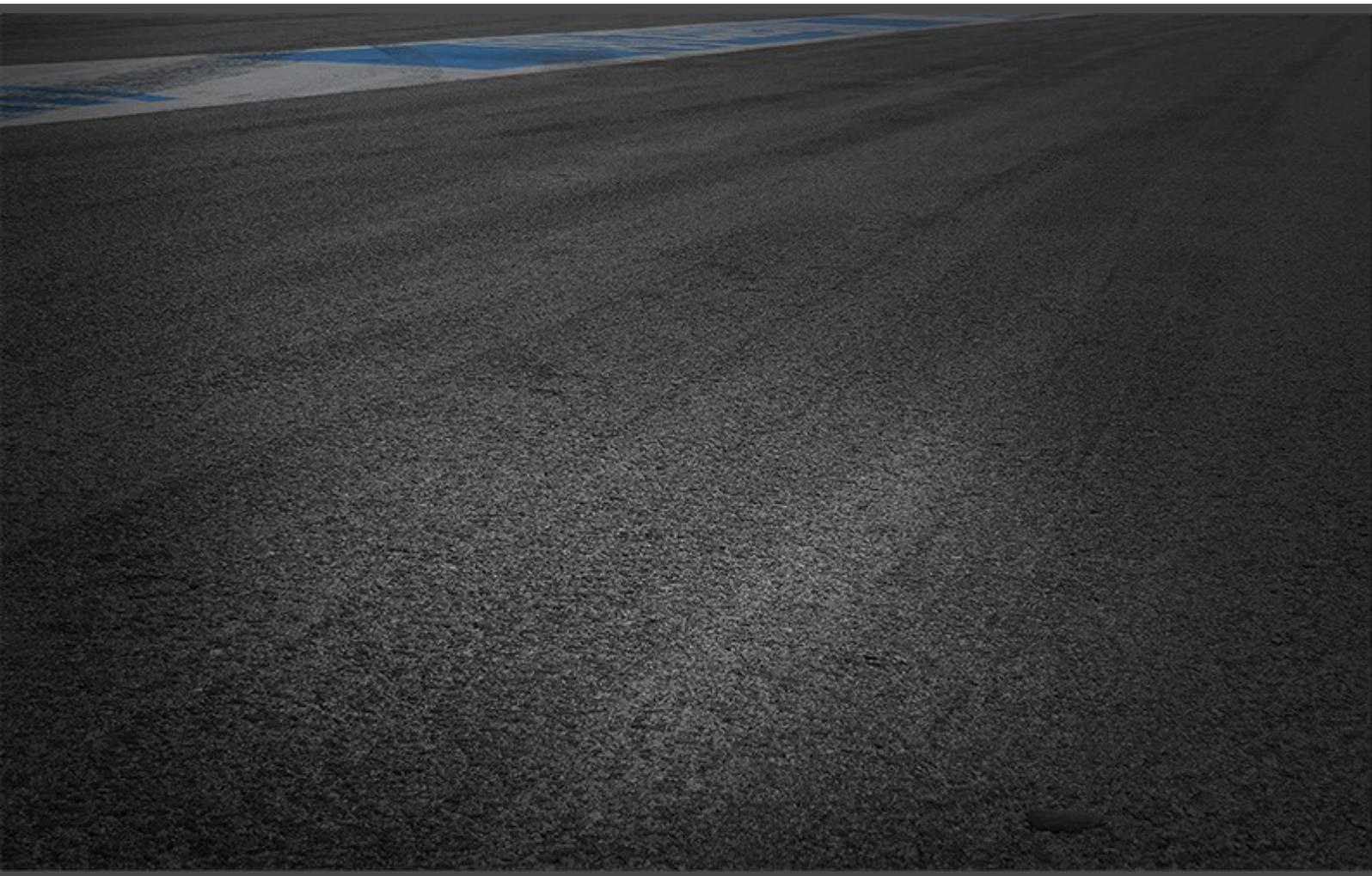
Binder 711 / 719 4-p solder view

Typ of connectors



Part number

V20Z943	Pressure sensor 0 - 3 bar abs., 719
V26Z943	Pressure sensor 0 - 3 bar abs., 711



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