



LambdaCANc Accessories

for exhaust gas measurement from CSM



LambdaCANc Accessories

CSM offers a wide range of accessories for the LambdaCANc, such as cables, sensors and DashCANc CAN displays.

The LambdaCANc is a compact CAN measurement module capable of connecting to various Bosch and NTK broadband lambda sensors, for the acquisition of lambda and O₂. LambdaCANc can be integrated with DashCANc and DashCANc+ to provide a real-time display of the measured values during test drives. The displays are compatible with other ECM measurement modules.

Exhaust gas measurement modules from ECM are the ideal complement to CSM's CAN and EtherCAT® measurement systems. They have the same environmental specifications as the CSM MiniModules.

CSM distributes the ECM products and provides support in Germany, France, Italy, Austria and Switzerland. The LambdaCANc and the DashCANc are CSM products, which are distributed worldwide by CSM.

This brochure provides an overview of the available accessories for LambdaCANc modules from CSM. Further accessory brochures are available for UniCAN data loggers as well as CAN and ECAT modules.



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Cables

Connection Cable

K70

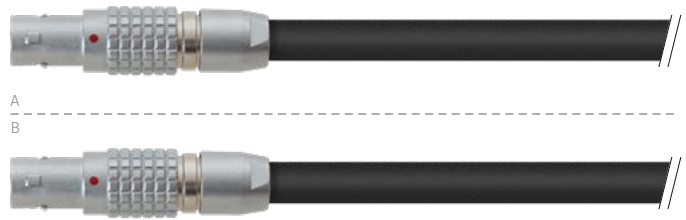
CC, LOB 5p, LOB 5p

Connection cable for cascading CAN-based measurement modules

Connectors

A Plug LEMO 0B 5-pole code G
B Plug LEMO 0B 5-pole code G

ART0201070	K70-0025	Length: 0.25 m
ART0201054	K70-0050	Length: 0.5 m
ART0201055	K70-0100	Length: 1 m
ART0201056	K70-0200	Length: 2 m
ART0201052	K70-0300	Length: 3 m
ART0201057	K70-0500	Length: 5 m
ART0201058	K70-1000	Length: 10 m
ART1040100	K70-2000	Length: 20 m



Interface Cable

K176

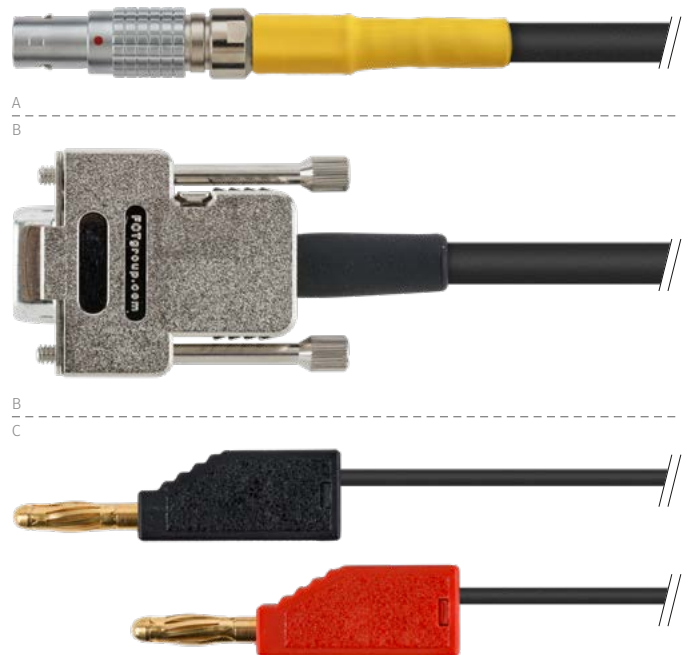
IC, LOB 5p, DS 9p / B, R

CAN interface connection cable including connector for power supply and integrated 120 Ω resistor

Connectors

A Plug LEMO 0B 5-pole code G
B Socket D-SUB 9-pole
C Banana plug

ART1050101	K176-0060	Length: 0.6 m
ART1050102	K176-0250	Length: 2.5 m
ART1050103	K167-0500	Length: 5 m
ART1050104	K167-1000	Length: 10 m



K191

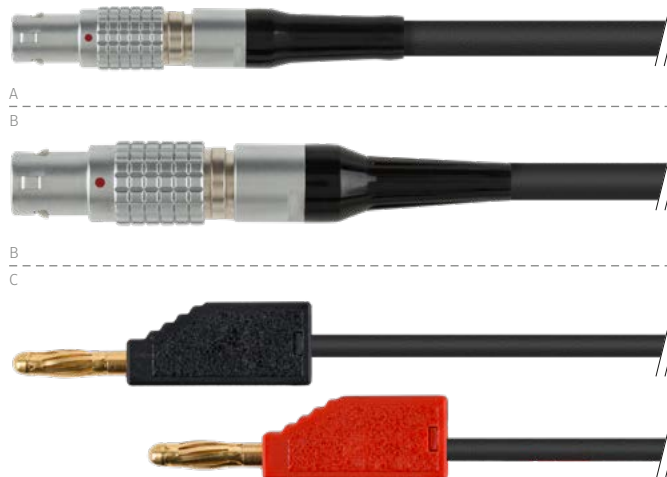
IC, L0B 5p, L1B 8p / B, R

CAN interface connection cable ETAS ES690, ES590/91 and ES592/93-D/95 including connector for power supply and integrated 120 Ω resistor

Connectors

- A Plug LEMO 0B 5-pole code G
- B Plug LEMO 1B 8-pole code C
- C Banana plug

ART1050108	K191-0060	Length: 0.6 m
ART1050109	K191-0250	Length: 2.5 m
ART1050110	K191-0500	Length: 5 m
ART1050111	K191-1000	Length: 10 m



K74

CAN termination plug 120 Ω

Connectors

- A Plug LEMO 0B 5-pole code G

ART0201050



Power Supply Cable

K250

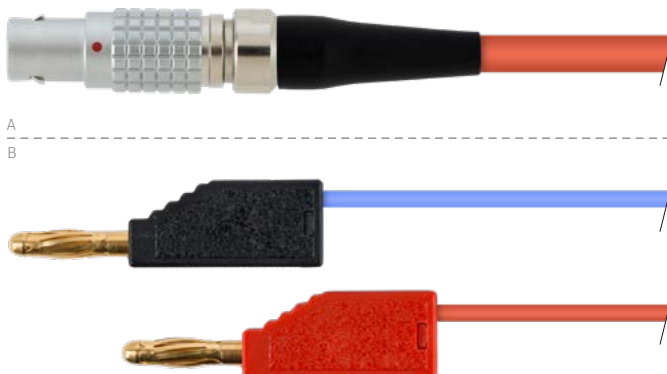
PC, L1B 2p, B

ECM power supply cable for LambdaCANc

Connectors

- A Plug LEMO 1B 2-pole code J
- B Banana plug

ART0250770	K250-0200	Length: 2 m
ART0250771	K250-0300	Length: 3 m
ART0250772	K250-0500	Length: 5 m



Sensor Cables

ECM Cable Y

SC, DE 12p, DE 12p, DE 4p

Y cable for connecting sensor and pressure compensation to an ECM device

Connectors

- A Plug DEUTSCH 12-pole
- B Socket DEUTSCH 12-pole
- C Socket DEUTSCH 4-pole

ART0250806	Length: 0.2 m
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Probe Cable LSU4.2

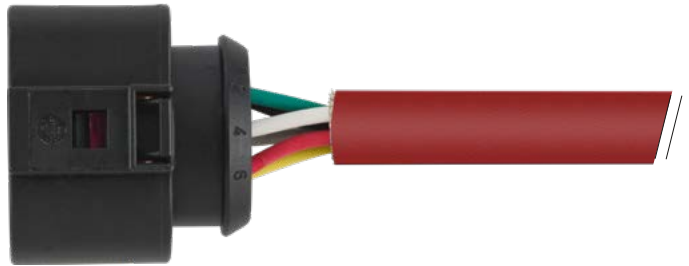
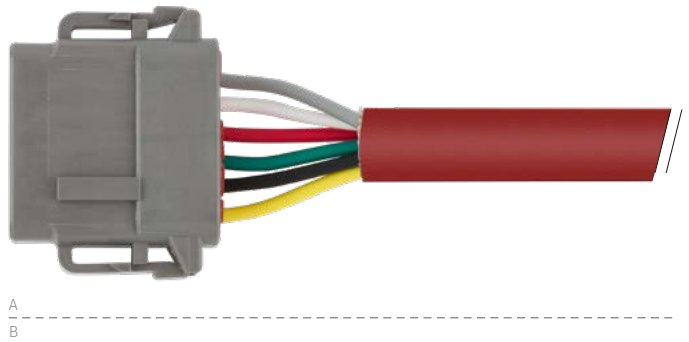
SC, DE 12p, BO 6p

ECM probe cable for Bosch LSU4.2 Lambda sensors, cable colour red

Connectors

A Plug DEUTSCH 12-pole
B Plug Bosch 6-pole (2.8 mm)

ART1180402	Length: 0.3 m
ART1180403	Length: 2 m



Probe Cable LSU4.9

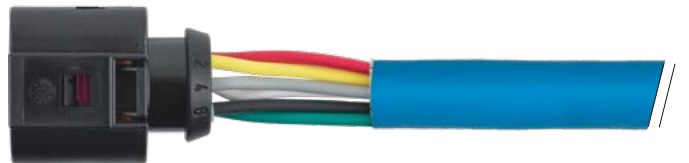
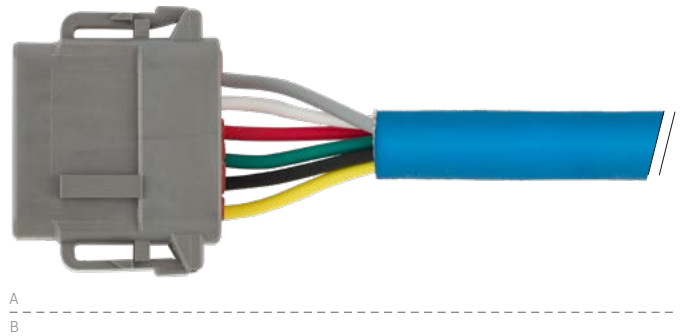
SC, DE 12p, BO 6p

ECM probe cable for Bosch LSU4.9 Lambda sensors, cable colour blue

Connectors

A Plug DEUTSCH 12-pole
B Plug Bosch 6-pole (1.5 mm)

ART1180501	Length: 0.3 m
ART1180503	Length: 1 m
ART1180502	Length: 2 m



ECM Boss and Plug 18mm Steel / Al

ECM welded socket (steel/aluminium)

for sensor installation, threaded nipple 18 mm × 1.5 mm

ART0250811	steel
ART0250812	aluminium



Extension Cables

ECM Cable Extension

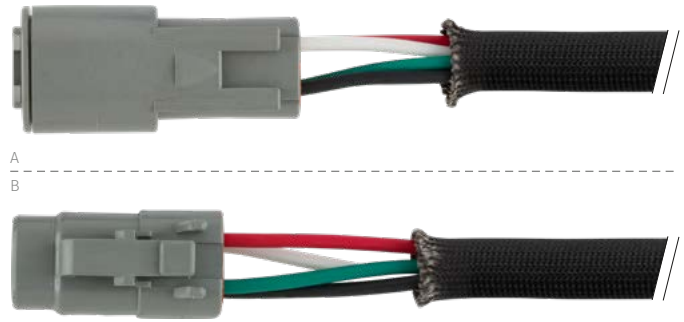
EC, DE 4p, DE 4p

Extension cable between ECM LambdaCANC or NOxCANx and pressure sensor

Connectors

A Plug DEUTSCH 4-pole
 B Socket DEUTSCH 4-pole

ART0250745	Length: 1 m
ART0250746	Length: 2 m



ECM Cable Extension

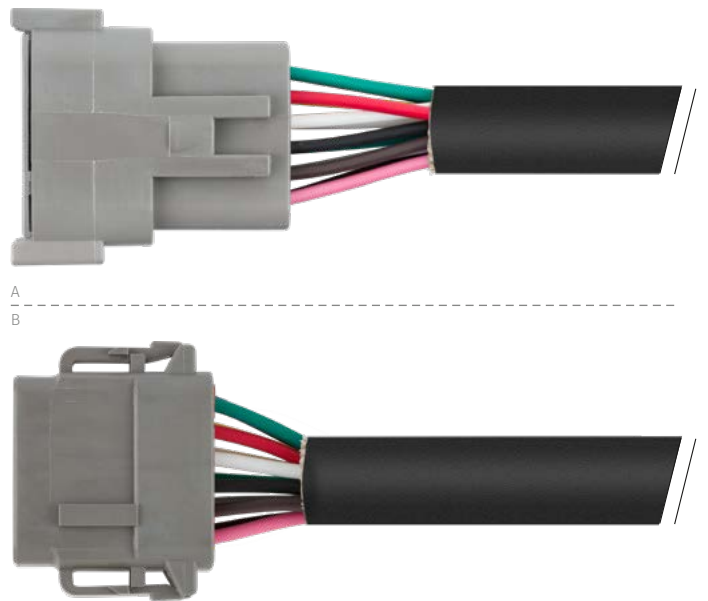
EC, DE 12p, DE 12p

Extension cable between ECM LambdaCANC/NOxCANx and Lambda/NO_x sensor, cable exposed

Connectors

A Plug DEUTSCH 12-pole
 B Socket DEUTSCH 12-pole

ART0250741	Length: 1 m
ART0250742	Length: 2 m
ART5211102	Length: 3 m



ECM Cable Extension

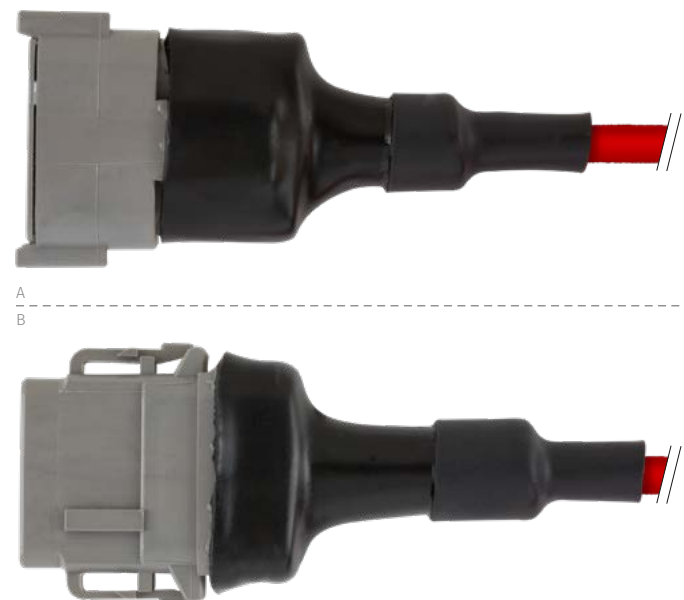
EC, DE 12p, DE 12p

Extension Cable between LambdaCANC or NOxCANx and Lambda- or NO_x sensor, cable coated

Connectors

A Plug DEUTSCH 12-pole
 B Socket DEUTSCH 12-pole

ART5211101	Length: 5 m
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Sensors

Lambda Sensors

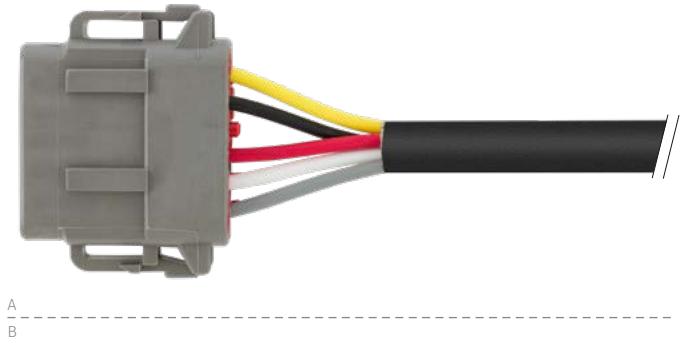
ECM Sensor LSU4.2

Bosch LSU4.2 lambda sensor for direct connection to LambdaCANc, thread 18 mm × 1.5 mm

Connectors

- A Socket DEUTSCH 12-pole
- B Sensor LSU 4.2

ART0250734 Length: 0.62 m



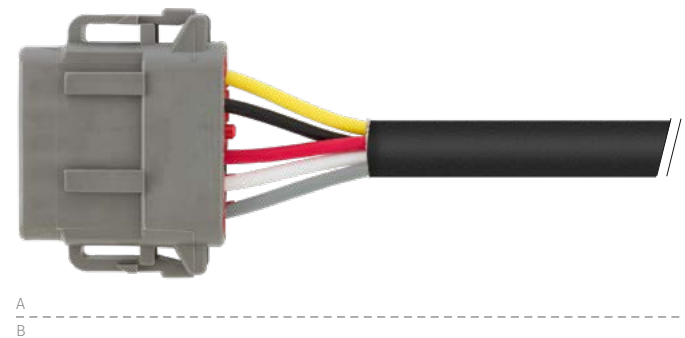
ECM Sensor LSU4.9

Bosch LSU4.9 lambda sensor for direct connection to LambdaCANc, thread 18 mm × 1.5 mm

Connectors

- A Socket DEUTSCH 12-pole
- B Sensor LSU 4.9

ART0250731 Length: 0.62 m



Bosch Sensor LSU4.2

Bosch LSU4.2 serial sensor for connection via adapter cable

Connectors

- A Plug Bosch 6-pole
- B Sensor Bosch

ART1180701 Length: 1.5 m



Bosch Sensor LSU4.9

Bosch LSU4.9 serial sensor for connection via adapter cable

Connectors

A Plug Bosch 6-pole
 B Sensor Bosch

ART1180700 Length: 0.6 m



A
B



ECM Sensor NTK

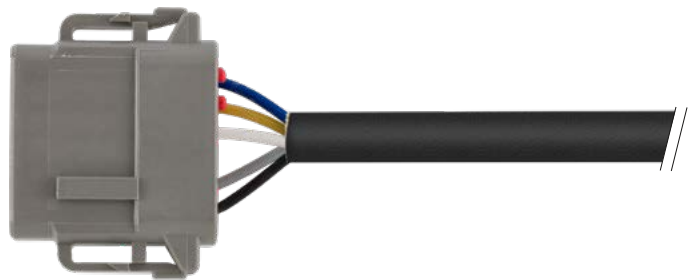
Lambda sensor for direct connection to LambdaCANc

Connectors

A Plug DEUTSCH 12-pole
 B Sensor NTK

ART0250735 4 mA Length: 0.4 m

ART0250736 6 mA Length: 0.4 m



A
B



Pressure Compensation

ECM KIT Pressure Compensation

Consisting of:

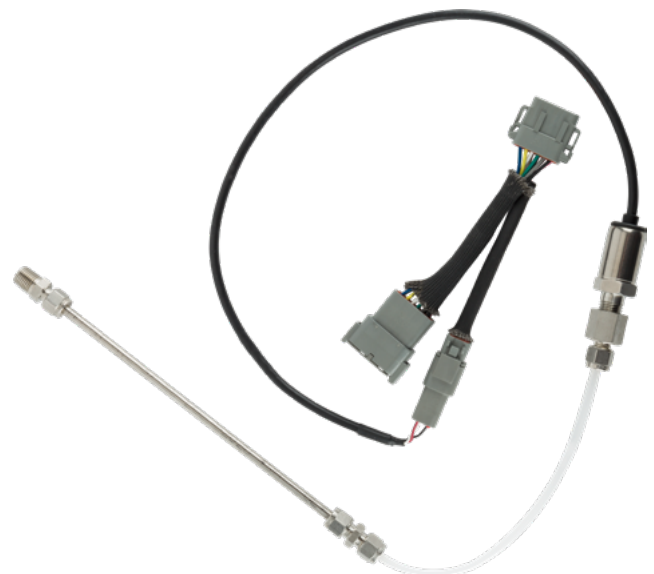
1x ECM Pressure Sensor

1x ECM Cable Y

1x ECM Cable Extension

1x ECM Pressure Line Assembly

ART0251250



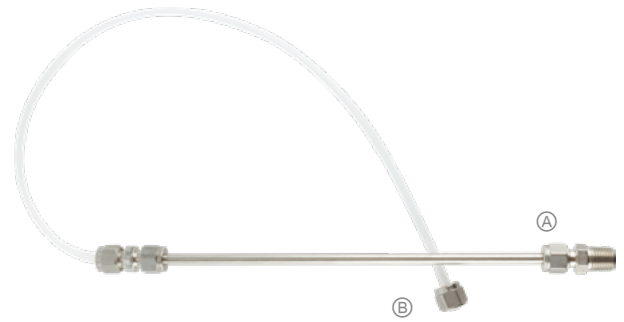
ECM Pressure Line Assembly

Lagging extension for pressure sensor for thermal and mechanical decoupling

Connectors

- A Pressure port 6 mm Swagelok
- B Thread 1/4" ISO metric

ART0250805 Length: 0.48 m



Pressure Sensors

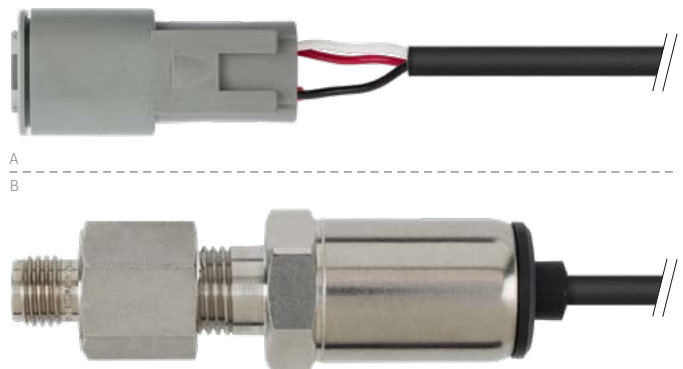
ECM Pressure Sensor

Pressure Sensor for ECM device, pressure range 0 to 689 kPa; -40 °C to +125 °C operating temperature range

Connectors

- A Plug DEUTSCH 4-pole
- B Pressure connection 6 mm Swagelok

ART5210400 Length: 0.7 m



Displays

ECM DashCANc

ECM DashCANc Display

LOB 5p

Display for LambdaCANc, NOxCANx and NH3CAN

Temperature range	-40 °C to +85 °C
Protection class	IP52

ART0250320



ECM DashCANc+ Display

LOB 5p, BNC

Display for LambdaCANc, NOxCANx and NH3CAN with 2 configurable analog outputs

Voltage output	0 V to 5 V
Temperature range	-40 °C to +85 °C
Protection class	IP52

ART5210600



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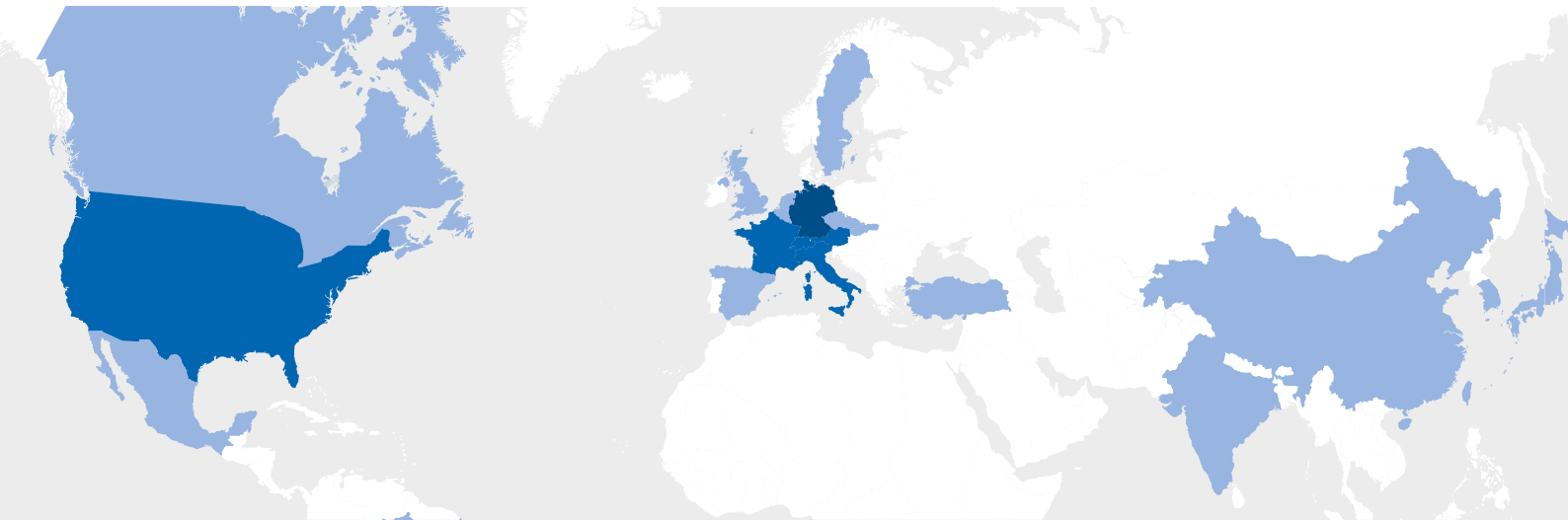
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In cooperation with

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India
Japan
Korea



Service & Support

Do you have specific questions or technical suggestions for the optimal use of the CSM measurement technology? Feel free to contact us, our Service & Support is at your disposal.

Take advantage of our telephone hotline:

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Or contact us via our website: www.csm.de and look for the heading »Support«.

About Us

CSM is a leading and innovative manufacturer of mobile measurement equipment and data acquisition systems. For over 35 years, we have set the technological standards in the field of measurement and data acquisition.

Our products are successfully and reliably in use worldwide, by almost all of the known manufacturers of automobiles and commercial vehicles as well as their suppliers and service providers.

Our present and future success is built upon continuous innovation in partnership with our long-term satisfied customers. We constantly address new challenges, such as the need for high-voltage-safe as well as synchronous high-speed measurement technology for the test and trial of electric and hybrid vehicles.

Our close cooperation with Vector Informatik allows us to offer complete solutions consisting of hardware and software from one source, which is an ideal complement to our measurement technology product range.



Products and Data: All Information at a Glance

Find all information on CSM measurement modules and data loggers on our website www.csm.de. Make use of our solutions for the development and testing of cars, construction and agricultural machinery, cranes, commercial vehicles, trains, aircraft, boats, wind turbines, etc.

- ▶ Product portfolio - overview
- ▶ Examples of application
- ▶ The latest CSM software versions available as downloads
- ▶ Fast access to all datasheets and product information

www.csm.de





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