

A close-up photograph of an industrial robotic arm. The arm is primarily orange and white. A SICK laser sensor, a blue rectangular device with multiple horizontal slots, is mounted on the end of the arm. The background is a blurred industrial setting with blue and white tones.

## Accessories

### Laser measurement technology

LMS1xx, LMS2xx, LMS4xx,  
LD-LRS, LD-OEM, LD-PeCo,  
LD-MRS, NAV

**LMS1xx**

Part no.	Type	Description
2034324	Mounting Set 1a <sup>3)</sup>	Bracket for mounting to wall or machine from the back
2034325	Mounting Set 1b <sup>3)</sup>	Bracket for mounting to wall or machine from the back, with cover protection
2039302	Mounting Set 2 <sup>3)</sup>	Bracket, only in combination with bracket 1a or 1b, adjustment possible around transverse axis
2039303	Mounting Set 3 <sup>3)</sup>	Retention plate, only in combination with bracket 2, adjustment possible around longitudinal axis
2046459		Weather hood, 190°
2046458		Weather hood, 270°
2046025		Standard mounting set for 190°/270° weather hood
2046989		Rapid-release mounting set for 190°/270° weather hood
6034415 / 6030928 / 6036158		Ethernet M12x4/RJ-45 connection cable for connection of LMS Ethernet interface to PC Ethernet interface, 5 m / 10 m / 20 m
6036159 / 6036160 / 6036161		Supply cable for LMS111-10100, M12x5, 4 open wires, 5 m / 10 m / 20 m
6036155 / 6036156 / 6036157		I/O cable for LMS111-10100, M12x8, 8 open wires, 5 m / 10 m / 20 m
6036153 / 6028420 / 6036154		RS 232 cable for LMS111-10100, M12x8, 8 open wires, 5 m / 10 m / 20 m
6021195 / 2027649		Connection cable M8x4 / D-Sub 9-pin (DIN 41642) for connection of serial auxiliary interface with the PC serial interface, 2 m / 10 m

<sup>3)</sup> Including mounting materials

**Laser Measurement System LMS400**

Order no.	Type	Description
2030439		Connection hood, IP 65
2030535		Connection hood, with connection cable 15-pin D-Sub, 3 m
2031372	Communication cable for terminal interface	Communication cable for connection to the terminal interface of the connector hood set 2031364 for communication and diagnosis
2020302		Connection cable for CLV/X490 for the connection to CDM490, 3 m, 15-wired, shielded, with 15-pin D-Sub-HD plug/receptacle (2 x necessary)
2014054		Data connection cable (RS-232) for LMS/CDM490-0001 to PC, 3-wired, with 2 x 9-pin D-Sub-socket
2013568		Data connection cable (RS-232) for LMS/CDM490-0101 to PC, with 2 x 9-pin D-Sub-socket/plug
2030465		Ethernet-cable for plug hood, RJ45/open, 10 m
2030467		Ethernet-cable for plug hood, RJ45/RJ45, 10 m
2032821		Ethernet-cable for plug hood, Crossover, RJ45/RJ45, 10 m
2034674		Ethernet-cable flexible for plug hood, RJ45/open, 10 m
2034673		Ethernet-cable flexible for plug hood, RJ45/RJ45, 10 m
2034675		Ethernet-cable flexible for plug hood, Crossover, RJ45/RJ45, 10 m
6026084		Synchronisation cable, 3 m
2030451		Synchronisation cable for plug hood, 3 m
2031412	Encoder	1 x 0.2 mm/Incr. Resolution
2030421	CDM490-0001	Holder for Item Profile
1025363	CDM490-0101	Connection possibility for one CLV480, CLV490, CLX490, LMS
1025365		Connection possibility for one CLV480, CLV490, CLX490, LMS

## Laser Measurement System LMS200

Order no.	Type	Description
2018963		Connection set 1 (is included in 1015850) (2 LMS connection plugs for voltage and data interfaces in-/outputs, without cables)
2027786		Connection set 2 (2 cables for the voltage and data interfaces/in-/outputs, length 5 m, each with one LMS connection plug and a 9-pin D-Sub plug for RS-232)
2027787		Connection set 3 (2 cables for the voltage and data interfaces/in-/outputs, length 10 m, each with one LMS connection plug and a 9-pin D-Sub plug for RS-232)
2015623		Mounting set 1
2015624		Mounting set 2 (mounting set 1 additionally necessary)
2015625		Mounting set 3 (mounting sets 1+2 additionally necessary)
2020925		Mounting set with two axes, fine adjustable (basic equipment)
2020926		Extension for mounting set 2015925 (3. axis)
2019522		Heating plate

## Laser Measurement System LMS211

Order no.	Type	Description
<b>Accessories LMS211-30206</b>		
2025793		Dust prevention shield, grey
2018303		Mounting set (adjustment bracket)
2018304		Pole bracket (mounting set 2018303 additionally necessary)
2019561		Configuration cable (connection LMS - PC/RS-232/422), length 5 m
<b>Spare parts for LMS211</b>		
2018301		Connection plug for LMS211/221 Outdoor
6004379		Plug insert 16-pin (for connection plug LMS211/221/220)
5306179		Dry cartridge LMS211/221/220

## Laser Measurement System LMS221

Order no.	Type	Description
4034559		Weather protection shield for LMS221 (180°), vertical mounting
4039833		Weather protection shield for LMS221 (shorter blade), horizontal mounting
2018303		Mounting set (adjustment bracket)
2018304		Pole bracket (mounting set 2018303 additionally necessary)
2019561		Configuration cable (connection LMS - PC/RS-232/422), length 5 m
<b>Spare parts as LMS211</b>		
2018301		Connection plug for LMS211/221 Outdoor
6004379		Plug insert 16-pin (for connection plug LMS211/221/220)
5306179		Dry cartridge LMS211/221/220

**Laser Measurement System LMS221-30106 and LMS211-30106**

Order no.	Type	Description
2018303		Mounting set (adjustment bracket)
2018304		Pole bracket (mounting set 2018303 additionally necessary)
2019561		Configuration cable (connection LMS - PC/RS-232/422), length 5 m

**General Accessory LMS2XX/LMI**

Order no.	Type	Description
2016401		Data cable for connection of PCs to LMS/LMI, with 2 x 9-pin D-Sub plugs, length 3 m
2016402		Same as cable 2016401, but length of 5 m
2016403		Same as cable 2016401, but length of 10 m
6011103		Data cable, 2 x 2 cores, twisted pair, shielded, can be used outdoor, in meters
2021520		Connection housing synchronisation
2018301		Connection plug for LMS211/221 Outdoor
6004379		Plug inset 16-pin (for connection plug LMS211/221/220)
5306179		Drying agent cartridge LMS211/221/220
6020756	LS 70 B	Scan finder, receiver to localise infrared scans
6022427		Power supply 24 V DC/2.5 A
6010362		Power supply 24 V DC/4 A
6020875		Power Supply 24 V DC/10 A
7040289		Air purging 230 V AC
7040360		Air purging 24 V AC
7044003		Dust prevention box for LMS
7040396		Tube 3 m
7040397		Tube 10 m
7040398		Tube 25 m
4003353		Optics cloth
On request		Shock absorber

**LD-OEM**

Order no.	Type	Description
5311055		Mounting holder, complete with mounting material and tools
6032507		Connection cable shielded, with 15-pin D-Sub socket to 9-pin D-Sub cable plug, length 0.2 m
6032508		Connection cable (RS-232) for LD-OEM to PC, 3 m, 3-wired, with 2 x 9-pin D-Sub-socket
6032509		Ethernet cable, 3 m, 15-pin D-Sub socket/RJ45 socket
6020756		Scan finder LS 70B for adjustment, with LCD display and acoustic signal, power supply via 9 V battery (battery contained in the scope of delivery)

## LD-PDS

Order no.	Type	Description
5311055		Mounting bracket, complete with fastening material and tools
6020756		Scan finder LS 70B in order to adjust, with LCD display and acoustic signal, power supply via 9 V battery (battery contained in the scope of delivery)
2014054		Data connection cable (RS-232) for LMS/CDM490-0001 to PC, 3-wired, with 2 x 9-pin D-Sub-socket
6032507		Connection cable shielded, with 15-pin D-Sub socket to 9-pin D-Sub cable plug, length 0,2 m
6032508		Connection cable (RS-232) for LD-OEM to PC, 3 m, 3-wired, with 2 x 9-pin D-Sub-socket

## LD-LRS

Order no.	Type	Description
2018303		Mounting set (adjustment holder)
2018304		Holder (mounting set 2018303 additionally necessary)
6032507		Connection cable shielded, with 15-pin D-Sub socket to 9-pin D-Sub cable plug/socket, length 0.2 m
6032508		Connection cable (RS-232) only for LD-LRS1000 to PC, 3 m, 3-wired, with 2 x 9-pin D-Sub-socket
6032509		Connection cable (RS-232) only for LD-LRS1000 to PC, 3 m, 3-wired, with 2 x 9-pin D-Sub-socket
6032770		Ethernet cable (connection LD-LRSx100 - PC/power supply unit; RS-232/422), length 3 m
5306222		Strip for holder (per meter)
5306221		Strip lock
6020756		Scan finder LS 70B in order to adjust, with LCD display and acoustic signal, power supply via 9 V battery (battery contained in the scope of delivery)
On request		Connection plug for LD-LRS2100/LD-LRS3100

## LD-PeCo

Order no.	Type	Description
4039006		Hinge foot
5313008		Mounting pipe L = 130 mm, Ø = 30 mm
6020756		Scan finder LS 70B in order to adjust, with LCD display and acoustic signal, power supply via 9 V battery (battery contained in the scope of delivery)
1027214		Commissioning cable Setup 3

## Positioning System NAV200

Order no.	Type	Description
6024723		RS-232 interface cable for connecting NAV200 system and a vehicle, length 5.0 m (not contained in the scope of delivery of the system)
2030334		RS-232 interface cable for connecting NAV200 system and a vehicle, length 6.5 m (not contained in the scope of delivery of the system)
6024722		8-pin socket (female), connection plug for the power supply (not contained in the scope of delivery of the system)
5304334		Reflexive foil (Diamond Grade 3000x), paper 914 mm x 749 mm
2031885		Adapter cable set NAV200 for the installation of a NAV200-1132 to a vehicle with the cabling of the prior version NAV200-1111

## LD-MRS

Part no.	Description
1047429	Bracket for LD-MRS, alignment adjustable in 2 axes
2049823	Power supply cable, 4-pin round socket/open end, length 2 m
2049824	Power supply cable, 4-pin round socket/open end, length 8 m
2049825	Power supply cable, 4-pin round socket/open end, length 20 m
2049826	Ethernet data cable (crossover), 4-pin round plug/RJ-45 plug, length 2 m. For connecting Ethernet interface of LD-MRS with Ethernet interface of PC.
2049827	Ethernet data cable (crossover) as above, length 8 m
2049828	Ethernet data cable (crossover) as above, length 20 m
2049829	Connection cable for synchronisation, 12-pin round plug/9-pin D Sub plug, length 2 m
2049830	Connection cable for synchronisation, 12-pin round plug/9-pin D Sub plug, length 8 m
2049832	Extension cable for RS 232 data interface and synchronisation, 12-pin round plug/socket, length 8 m
2049831	Cable splitter 1:3, 12-pin round plug on 9-pin D Sub plug (synchronisation), 9-pin D Sub socket (RS 232) and 9-pin D Sub socket (CAN, reserved), length 2 m
6022427	Power supply unit 24 V DC/2.5 A
6010362	Power supply unit 24 V DC/4 A
6020875	Power supply unit 24 V DC/10 A
4003353	Optical cloth for cleaning window

### FACTORY AUTOMATION

With its intelligent sensors, safety systems, and auto idet applications, SICK realises comprehensive solutions for factory automation.

- Non-contact detecting, counting, classifying, and positioning of any types of object
- Accident protection and personal safety using sensors, as well as safety software and services



### LOGISTICS AUTOMATION

Sensors made by SICK form the basis for automating material flows and the optimisation of sorting and warehousing processes.

- Automated identification with bar code and RFID reading devices for the purpose of sorting and target control in industrial material flow
- Detecting volume, position, and contours of objects and surroundings with laser measurement systems



### PROCESS AUTOMATION

Analyzers and Process Instrumentation by SICK MAIHAK provides for the best possible acquisition of environmental and process data.

- Complete systems solutions for gas analysis, dust measurement, flow rate measurement, water analysis or, respectively, liquid analysis, and level measurement as well as other tasks



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