

Cable for the instrumentation

The following table presents ready-to-connect manufactured cables for various standard laboratory apparatus and instrumentation components. The range is being constantly expanded.

If your device is not listed here, we can produce cables according to your specifications.



Manufacturer, device, model	interface type	Signal, slide-in module	Product code cable
Cable for LabManager® and Lab I/O™			
Analogue input, free cable ends			
voltage	analogue	LM-AI	ZK-LAB-HI01-IA-UP-O-01
Voltage, with sensor supply 24 V	analogue	LM-AI	ZK-LAB-HI01-IA-UA-O-01
0/4...20 mA two-wire	analogue	LM-AI	ZK-LAB-HI01-IA-IP-O-01
0/4...20 mA two-wire with supply	analogue	LM-AI	ZK-LAB-HI01-IA-IA-O-01
0/4...20 mA four-wire with supply	analogue	LM-AI	ZK-LAB-HI01-IA-IA-O-02
Analogue output, free cable ends			
voltage	analogue	LM-AO	ZK-LAB-HI01-OA-UP-O-01
0/4...20 mA	analogue	LM-AO	ZK-LAB-HI01-OA-IP-O-01
Digital input, free cable ends			
2 wires for switches, monitoring devices...	digital	LM-DI	ZK-LAB-HI01-ID-XX-O-51
3 wires for switches, monitoring devices...	digital	LM-DI	ZK-LAB-HI01-ID-XA-O-52
Digital output, free cable ends			
For valves etc., 3 wires: Change-over contact	digital	LM-DO	ZK-LAB-HI01-OD-XX-O-51
For valves etc., 2 wires: Normally open contact	digital	LM-DO	ZK-LAB-HI01-OD-XX-O-52
For valves etc., 2 wires: Normally closed contact	digital	LM-DO	ZK-LAB-HI01-OD-XX-O-53
Pressure transmitters			
Keller pressure transmitter model series 21	analogue	current 4...20 mA, two-wire to LM-AI	ZK-SP-KL21-IA-IA-I-01
Keller pressure transmitter model series 23	analogue	current 4...20 mA, two-wire to LM-AI	ZK-SP-KL23-IA-IA-I-01
Heating/cooling thermostats			
Lauda thermostat model C6CS/C12CS/C20CS/ K6KS/K12KS/ K20KS	analogue	Temperature actual value, 0...10 V on LM-AI Temperature set point, 0...10 V on LM-AO	ZK-T-LD01-BA-UP-Y-01
Lauda thermostat model C6CS/C12CS/C20CS/ K6KS/K12KS/ K20KS	analogue	Temperature actual value, 0...10 V on LM-AI Temperature actual value channel 1 & set point, 4...20 mA on LM-AI	ZK-T-LD01-BA-KP-Y-01
Lauda thermostat model C6CS/C12CS/C20CS/ K6KS/K12KS/ K20KS	Serial	Temperature actual value, Temperature actual value, set point	ZK-T-LD01-BS-R2-I-02
Lauda thermostat model USH400	analogue	Temperature actual value, 0...10 V on LM-AI Temperature set point, 0...10 V on LM-AO	ZK-T-LD03-BA-UP-Y-01

Should you not find your cable here, simply contact us.

Cable for the Instrumentation

Manufacturer, device, model	interface type	Signal, slide-in module	Product code cable
Jucheim thermostat model 80-4 / 90-4	analogue	Temperature actual value, 0...20 mA on LM-AI	ZK-T-JH01-BA-IP-Y-01
Julabo thermostat model FP50MH	analogue	Temperature set point, 0...20 mA on LM-AO Temperature working sensor, 0...10 V on LM-AI, Temperature ext. sensor, 0...10 V on LM-AI Set point check-back signal, 0...10 V on LM-AI	ZK-T-JU01-BA-KP-Y-01
Julabo thermostat model FP50MH	analogue	Temperature set point, 0...20 mA on LM-AO Temperature working sensor, 0...10 V on LM-AI, Temperature ext. sensor, 0...10 V on LM-AI	ZK-T-JU01-BA-KP-Y-02
Julabo thermostat model HP / SP / TP	analogue	Temperature set point, 0...20 mA on LM-AO Temperature ext sensor, 0...10 V on LM-AI Temperature int. sensor, 0...10 V on LM-AI Set point check-back signal, 0...20 mA on LM-AI	ZK-T-JU02-BA-KP-Y-01
Julabo thermostat model ATS3 / ATS2	analogue	Temperature set point, 0...20 mA on LM-AO Temperature actual value, 0...10 V on LM-AI 2 x 4-pin Tuchel on thermostat side	ZK-T-JU04-BA-KP-Y01
Julabo thermostat	RS232	Temperature set point, Temperature ext sensor, Temperature int. sensor, Set point check-back signal	ZK-T-JU00-BS-R2-I-01
Eurotherm thermostat type RD4455 model 99	analogue	Temperature set point, 0...10 V on LM-AO Temperature actual value, 0...10 V on LM-AI	ZK-T-ET99-BA-UP-Y01
Huber thermostat model Tango	analogue	Temperature set point, 0...10 V on LM-AO Bath temperature actual value, 0...10 V on LM-AI open ended cable	ZK-T-HU04-BA-UP-O-01
Huber thermostat model Tango	analogue	Temperature set point, 4...20 mA on LM-AO Temperature actual value, 4...20 mA on LM-AI open ended cable	ZK-T-HU04-BA-IP-O-01
Huber thermostat model Tango	RS232	Temperature set point, actual value via RS-232	ZK-T-HU01-BS-R2-I-01
Huber thermostat model Tango	RS485	Temperature set point, actual value via RS-485	ZK-T-HU01-BS-R4-I-51
Huber thermostat (compatible control)	RS232	Temperature set point, actual value via RS-232	ZK-T-HU02-BS-R2-I-01
Huber thermostat (compatible control)	RS485	Temperature set point, actual value via RS-485	ZK-T-HU02-BS-R4-I-51
Haake thermostat	analogue	Temperature set point, 4...20 mA on LM-AO Temperature actual value, 4...20 mA on LM-AI	ZK-T-HA01-BA-IP-Y-01

Should you not find your cable here, simply contact us.

Manufacturer, device, model	interface type	Signal, slide-in module	Product code cable
Haake thermostat	RS232	Temperature set point, Temperature actual value	ZK-T-HA01-BS-R2-I-01
T-Pot™ temperature control system	digital	1 x 8-pin. M12 device socket, LM-DO	ZK-T-HI26-BK-PA-Y-51
HiTec laboratory apparatus (see also Stirrers and solid matter dosing devices)			
Hitec model Kaloheiz, control input	analogue	voltage, 6-pin Tuchel on LM-AO	ZK-KAL-HI04-OA-UP-I-01
Hitec model Kaloheiz, voltage monitor	analogue	voltage, 6-pin Tuchel on LM-AI	ZK-KAL-HI04-IA-UP-I-01
Hitec model Kaloheiz, current monitor	analogue	voltage, 6-pin Tuchel on LM-AI	ZK-KAL-HI04-IA-UP-I-02
PhaDec™-X	digital	LM-DI	ZK-LAB-HI06-OD-XX-I-51
Laboratory balance			
Kern balance model EW 3000-2M	RS232	5-pin Hoshiden plug / D-Sub9 socket on LM-RS232	ZK-W-KE01-BS-R2-I-01
Kern balance model GS	RS232	RS-232, 25-pin plug - 9-pin socket	ZK-W-KE02-BS-R2-I-01
Kern balance model EW PB 4002-2	RS232	RS-232, 9-pin plug - 9-pin socket	ZK-W-KE03-BS-R2-I-01
Sartorius balance / Scaltec model SBC	RS232	RS-232, 25-pin plug - 25-pin socket	ZK-W-SA01-BS-R2-I-01
Sartorius balance / Scaltec model SBC	RS232	RS-232, D-Sub9 plug- D-Sub9 socket	ZK-W-SA01-BS-R2-I-03
Sartorius balance / Scaltec model SBC	mixed	RS-232, D-Sub9 socket LM-RS232, tare on LM-DO	ZK-W-SA01-BK-R2P-Y-52
Sartorius balance / Scaltec model SBC	mixed	RS-232, D-Sub9 socket on LM-RS232, tare on LM-DO	ZK-W-SA01-BK-R2A-Y-52
Mettler balance model PM/AM 25-pin	RS232	25-pin, 15-pin Mettler plug	ZK-W-ME01-BS-R2-I-01
Mettler balance model PM/AM 9-pin	RS232	9-pin, 15-pin Mettler plug	ZK-W-ME01-BS-R2-I-02
Mettler balance model PG	RS232	9-pin, 9-pin	ZK-W-ME02-BS-R2-I-01
Solenoids			
Solenoids (Open/Closed), plug types 2508, DIN 43650 form A	digital	24 V, 4-pin ISO4400 socket / Tuchel socket on LM-DO	ZK-VMB-HI41-OD-XA-I-51
Solenoids (Open/Closed), plug types 2508, DIN 43650 form B	digital	24 V, 4-pin ISO4400 socket / Tuchel socket on LM-DO	ZK-VMB-HI41-OD-XA-I-51
Solenoids (Open/Closed), plug types 2506, DIN 43650 form C	digital	24 V, 4-pin ISO4400 socket / Tuchel socket on LM-DO	ZK-VMB-HI43-OD-XA-I-51
Solenoids (proportional), plug types 2508, DIN 43650 form A	digital	24 V, 4-pin ISO4400 socket / Tuchel socket on LM-DO, PWM	ZK-VMP-HI41-OD-XA-I-51
Solenoids (proportional), plug types 2508, DIN 43650 form B	digital	24 V, 4-pin ISO4400 socket / Tuchel socket on LM-DO, PWM	ZK-VMP-HI42-OD-XA-I-51
Solenoids (proportional), plug types 2506, DIN 43650 form C	digital	24 V, 4-pin ISO4400 socket / Tuchel socket on LM-DO, PWM	ZK-VMP-HI42-OD-XA-I-51
Bürkert solenoids (proportional) cable end 1054/1057 (valve 0127)	digital	24 V, 4-pin ISO4400 socket / Tuchel socket on LM-DO, PWM	ZK-VMP-BU04-OD-XA-I-51
Bürkert solenoids (proportional) cable end 1094	analogue	4...20 mA on LM-AO	ZK-VMP-BU03-OA-IA-I-01
Knauer multi-path valve model HPLC7	RS232		ZK-VMO-KN07-BS-R2-I-01
VICI AG Valco multi-directional valve	RS232		ZK-VMO-VI01-BS-R2-I-01

Dosing pumps

Should you not find your cable here, simply contact us.

Cable for the Instrumentation

Manufacturer, device, model	interface type	Signal, slide-in module	Product code cable
HiTec Zang pump, LabDos™	mixed	Set point, 4...20 mA on LM-AO, Start/Stop on LM-DO	ZK-P-HI36-OK-IP-Y-51
HiTec Zang pump, LabDos™	RS232	Set point and status information, 9-pin/9-pin	ZK-P-HI36-BS-R2-I-01
ISMATEC pump model ISM736	mixed	Set point, 4...20 mA on LM-AO, Start/Stop on LM-DO	ZK-P-IS01-OK-IP-Y-52
ISMATEC pump model MC-Z / MS-Z	analogue	Set point 0...5,7/0...10 V voltage passive LM-AO	ZK-P-IS03-OA-UP-I-01
ISMATEC pump hose pump Reglo Digital	RS232	Set point, actual value	ZK-P-IS04-BS-R2-I-01
Knauer pump	RS232	Set point, actual value	ZK-P-KN00-BS-R2-I-01
Prominent pump model gamma	analogue	number of strokes Set point 4...20 mA on LM-AO	ZK-P-PR01-OA-IP-I-01
Telab pump model BF414	RS232	stroke frequency, stroke volume	ZK-P-TL02-BS-R2-I-01
Telab pump model BF414, before 2000	analogue	stroke frequency set point, 4...20 mA LM-AO stroke volume set point, 4...20 mA LM-AO D-Sub9 plug	ZK-P-TL02-OA-IP-Y-01
Telab pump model BF414, after 2000	analogue	stroke frequency set point, 4...20 mA on LM-AO, stroke volume set point, 4...20 mA on LM-AO, 15 -pol. HD plug	ZK-P-TL02-OA-IP-Y-02
Telab pump model BF414, before 2000	analogue	stroke frequency set point, 0...10 V on LM-AO stroke volume set point, 0...10 V on LM-AO D-Sub9 plug	ZK-P-TL02-OA-UP-Y-01
Telab pump model BF414, after 2000	analogue	stroke frequency set point, 0...10 V on LM-AO stroke volume set point, 0...10 V on LM-AO D-Sub15 plug	ZK-P-TL02-OA-UP-Y-02
Telab pump model BF414, before 2000	analogue	stroke frequency set point, 4...20 mA LM-AO stroke volume set point, 4...20 mA LM-AO release on LM-DO D-Sub9 plug	ZK-P-TL02-OK-IP-Y-01
Telab pump model BF414, after 2000	analogue	stroke frequency set point, 4...20 mA on LM-AO stroke volume set point,, 4...20 mA on LM-AO release on LM-DO 15 -pin HD plug	ZK-P-TL02-OK-IP-Y-02
Telab pump model BF414, before 2000	analogue	stroke frequency set point, 0...10 V on LM-AO stroke volume set point, 0...10 V on LM-AO release on LM-DO D-Sub9 plug	ZK-P-TL02-OK-UP-Y-01
Telab pump model BF414, after 2000	analogue	stroke frequency set point, 0...10 V on LM-AO, stroke volume set point, 0...10 V on LM-AO, release on LM-DO, D-Sub15 plug	ZK-P-TL02-OK-UP-Y-02

Should you not find your cable here, simply contact us.

Manufacturer, device, model	interface type	Signal, slide-in module	Product code cable
Telab pump model BF414, before 2000	digital	Pulse on LM-DA, release on LM-DO, D-Sub9 plug	ZK-P-TL02-OD-XP-Y-51
Telab pump model BF414, after 2000	digital	Pulse on LM-DA, release on LM-DO, D-Sub15 plug	ZK-P-TL02-OD-XP-Y-52
Dosing devices			
Metrohm Dosimat 665	RS232	Set point, actual value	ZK-DL-MO01-BS-R2-I-01
Metrohm Titrino 718	RS232	Complete Titrino command tree	ZK-DL-MO02-BS-R2-I-01
Solid matter dosing devices			
SoliDos™ control device HiTec model (from firmware 2.10, March 2001)	analogue	Set point voltage 0...10 V on LM-AO Actual value voltage 0...10 V on LM-AI Actual value voltage 0...10 V on LM-AI	ZK-R-HI02-BA-UP-Y-03
SoliDos™ control device HiTec model (from firmware 2.10, March 2001)	analogue	Set point current 0/4...20 mA on LM-AO Actual value current 0/4...20 mA on LM-AI Actual value current 0/4...20 mA on LM-AI	ZK-R-HI02-BA-IP-Y-02
SoliDos™ control device HiTec model	RS232	Set point, Actual value, On, Off	ZK-R-HI02-BS-R2-I-01
Stirrer drives			
Heidolph stirrer model RZR 2102	analogue	Torque actual value 4...20 mA on LM-AI Speed actual value 4...20 mA on LM-AI Speed set point 4...20 mA on LM-AO	ZK-R-HD02-BA-IP-Y-01
HiTec stirrer model ViscoPakt® and ViscoPakt®-rheo (from firmware 2.10, March 2001)	analogue	Speed set point voltage 0...10 V on LM-AO Speed actual value voltage 0...10 V on LM-AI Speed actual value voltage 0...10 V on LM-AI	ZK-R-HI02-BA-UP-Y-03
HiTec stirrer model ViscoPakt® and ViscoPakt®-rheo (from firmware 2.10, March 2001)	analogue	Speed set point current 0...20 mA/4...20 mA on LM-AO, Speed actual value current 0...20 mA/4...20 mA on LM-AI, Torque actual value current 0...20 mA/4...20 mA on LM-AI	ZK-R-HI02-BA-IP-Y-02
HiTec stirrer model ViscoPakt® and ViscoPakt®-rheo	RS232	Speed set point, speed actual value, torque actual value, On, Off	ZK-R-HI02-BS-R2-I-01
IKA stirrer model Eurostar	analogue	Speed actual value voltage on LM-AI, Torque actual value voltage on LM-AI	ZK-R-IK01-BA-UP-Y-01
IKA stirrer model Eurostar	mixed	Speed actual value voltage on LM-AI Torque actual value voltage on LM-AI Set point via RS-232, Serial measured on HD plug	ZK-R-IK01-BK-R2-Y-01
IKA stirrer model Eurostar Visc	RS232	RS232 control D-Sub9	ZK-R-IK01-BS-R2-I-01

Should you not find your cable here, simply contact us.

Cable for the Instrumentation

Manufacturer, device, model	interface type	Signal, slide-in module	Product code cable
IKA stirrer model Eurostar Visc	RS232	RS232 control 15-pin HD	ZK-R-IK01-BS-R2-I-02
Sensors			
Brooks flow rate sensor model 5850TR	analogue	Flow rate sensor D-Sub15 Actual value on LM-AI, set point on LM-AO	ZK-SFM-BR01-BA-UA-Y-01
Brooks flow rate sensor model 5850TR	RS232	Flow rate sensor D-Sub15 Actual value, set point	ZK-SFM-BR01-BS-R2-I-01
Bronkhorst flow rate controller model F-xxxx-FAB/FBB/GAB/GBB-xx-a	analogue	Actual value on LM-AI, set point on LM-AO +24 V power supply	ZK-CFM-BK21-BA-UA-I-01
Bronkhorst flow rate controller model MFC F-xxxx-FA/FB/GA/GB-xx and F-xxxx-FAC/FBC/GAC/GBC-xx-a	analogue	Actual value on LM-AI, set point on LM-AO ±15 V power supply	ZK-CFM-BK22-BA-UA-I-01
Bronkhorst flow rate controller model F-xxxx-FCB/FDB/GCB/GDB-xx-a	analogue	Actual value on LM-AI, set point on LM-AO +24 V power supply preferred model	ZK-CFM-BK23-BA-IA-I-01
Bronkhorst flow rate controller model MFC F-xxxx-FC/FD/GC/GD-xx and F-xxxx-FCC/FDC/GCC/GDC-xx-a	analogue	Actual value on LM-AI, set point on LM-AO ±15 V power supply	ZK-CFM-BK24-BA-IA-I-01
Laboratory gas meter model TG, impulse output	binary	5-pin plug DIN51524 3-pin device plug DIN51524 for connection to LM-DI	ZK-SFV-RI01-ID-XX-I-51
Watchdog			
0/4...20 mA two-wire	analogue	Watchdog plug	ZK-X-HI05-IA-IA-O-01
PC accessory cables			
HiTec null modem cable	RS232	RS-232, 2x D-Sub9	ZK-IT-HI10-BS-R2-I-01
HiTec RS-232 extension	RS232	RS-232 D-Sub9	ZK-IT-HI11-BS-R2-I-01
HiTec ABK <> Com1	RS232	25-pin, on 25-pin, RS-232	ZK-IT-HI01-BS-R2-I-01
HiTec ABK <> Com1	RS232	9-pin, on 9-pin, RS-232	ZK-IT-HI01-BS-R2-I-02
HiTec ABK <> Com1	RS232	25-pin, on 9-pin, RS-232	ZK-IT-HI01-BS-R2-I-03
Miscellaneous, periphery items			
LabCom cable			ZK-LAB-HI07-BS-R2A-I-01
HiTec model B230V16H, B230V16R	digital	LM-DO	ZK-LAB-HI06-OD-XX-I-51
Jeti spectrometer	RS232	RS232 9-pin	ZK-X-JE01-BS-R2-I-01
Pt100 extension	analogue	Lemo socket/plug 4-pin	ZK-XX-HI11-BA-PX-I-01
Edwards model Active Gauge Display (AGD) for Active Pirani Gauge (APG)	analogue	Analogue voltage on LM-AI	ZK-X-EW01-IA-UP-I-01
Reflux separator 24 V DC, plug form A, 4 pin ISO4400 socket DIN 43650 form A	digital	LM-DO	ZK-RT-HI41-OD-XA-I-51

Should you not find your cable here, simply contact us.