

BEAMEX ORDERING GUIDE

MC6-T



BEAMEX MC6-T

TEMPERATURE CALIBRATORS



TEMPERATURE CALIBRATOR			
Selection:			
Description	The Beamex MC6-T is an extremely versatile portable automated temperature calibration system. It combines a state-of-the-art temperature dry-block with Beamex MC6 multifunction process calibrator and communicator technology.		
Models:			
MC6-T150	9400020	-30°C ... +150°C (-22°F ... +302°F)	
MC6-T660	9400010	+50°C ... +660°C (+122°F ... +1220°F)	

BEAMEX MC6-T

HARDWARE AND SOFTWARE OPTIONS



MC6-T ADVANCED FIELD CALIBRATOR AND COMMUNICATOR

Hardware options:	For:	MC6-T150	MC6-T660	
	PB	9431100	9430100	Internal barometric pressure module, for absolute mode.
	Fieldbus hardware capability	9431560	9430560	Fieldbus hardware capability, Fieldbus and Profibus communicator software option also required
Firmware options	DL	9431810	9430810	Multichannel data logger
	MSPlus	9431840	9430840	Mobile Security Plus. NOTE: requires CMX with MSPlus option!
	MC6HART	9431500	9430500	HART communication option
	MC6FF	9431520	9430520	MC6 Foundation Fieldbus (H1) communication option Hardware option also required (9431560/9430560)
	MC6PA	9431540	9430540	MC6 Profibus PA communication option Hardware options also required (9431560/9430560)
	Sensor Curve	9431890	9430890	Special temperature curve (please specify and and check availability)
	TBC Ametek Jofra xTC	9431730	9430730	Temperature block communication to Ametek Jofra (only possible for RS-232) ATC-125A, ATC-140A, ATC-155A, ATC-156A, ATC-157A, ATC-250A, ATC-320A, ATC-650A, ATC-125B, ATC-140B, ATC-155B, ATC-156B, ATC-157B, ATC-250B, ATC-320B, ATC-650B, C-140, C-320, C-320-2, C-650, C-650-2, ITC-155A, ITC-320A, ITC-650A, CTC-140A, CTC-320A, CTC-320B, CTC-650A, CTC-650B, CTC-1200A, MTC-140A, MTC-320A, MTC-320B, MTC-650A, MTC-650B, ETC-125A, ETC-400A, ETC-400R
	TBC MB/FB	9431700	9430700	Temperature block communication to Beamex FB and MB series dryblocks. Includes required RS232/USB adapter cable.
	TBC Fluke 917x/914x	9431720	9430720	Temperature block communication to Fluke - Hart Scientific 9170, 9171, 9172, 9173 / 9142, 9143, 9144
	TBC Fluke-Hart Scientific	9431740	9430740	Temperature block communication to Fluke - Hart Scientific 0011, 2100-T, 2100-RS, 2100-P, 2100, 2200, 6010-RS, 6010, 6012-RS, 6012, 6018-RS, 6018, 6020-RS, 6020, 6021-RS, 6021, 6022-RS, 6022, 6024-RS, 6024, 6025-RS, 6025, 6035-RS, 6035, 6038-RS, 6038, 6039-RS, 6039, 6045-RS, 6045, 6050-RS, 6050H-RS, 6050H, 6050, 6054-RS, 6054, 6055-RS, 6055, 6102, 6330-RS, 6330, 6331, 7004-RS, 7004, 7005-RS, 7005, 7006-RS, 7006, 7007-RS, 7007, 7008-RS, 7008, 7009-RS, 7009, 7011-RS, 7011, 7012-RS, 7012, 7013-HOT, 7013-COLD, 7015-RS, 7015, 7018-RS, 7018, 7025-RS, 7025, 7030-RS, 7030, 7037-RS, 7037, 7038-RS, 7038, 7039-RS, 7039, 7040-RS, 7040, 7041-RS, 7041, 7042-RS, 7042, 7050-RS, 7050, 7051-RS, 7051A-RS, 7051A, 7051, 7060-RS, 7060, 7061-RS, 7061, 7080-RS, 7080, 7081-RS, 7081, 7100-RS, 7100, 7102, 7103, 7108-RS, 7108, 7312-RS, 7312, 7320-RS, 7320, 7321, 7340, 7341, 7380-RS, 7380, 7381, 7900, 9009, 9011, 9023, 9100S, 9102S, 9103, 9105-80C, 9105-140C, 9107, 9114, 9115A, 9116A, 9117, 9122A, 9122, 9123, 9127, 9132, 9133, 9140, 9141, 9150 v2.2, 9150 v2.0, 9210, 9230, 9260
	PCC CPC3000	9431620	9430620	Pressure controller communication for WIKA CPC3000. Includes required RS232/USB adapter cable
	PCC CPC4000	9431640	9430640	Pressure controller communication for WIKA CPC4000. Includes required RS232/USB adapter cable
	PCC CPC8000	9431650	9430650	Pressure controller communication for WIKA CPC8000. Includes required RS232/USB adapter cable
	PCC DPI 510/520	9431610	9430610	Pressure controller communication for Druck DPI520 or DPI510. Includes required RS232/USB adapter cable
	PCC LPC	9431630	9430630	Pressure controller communication for United Instruments LPC. Includes required RS232/USB adapter cable
	PCC POC4	9431605	9430605	Pressure controller communication for POC4. Free of charge if ordered together with POC6 Communication option. Includes required RS232/USB adapter cable
	PCC POC6	9431600	9430600	Pressure controller communication for POC6. Includes required RS232/USB adapter cable
	PCC POC8	9431660	6430660	Pressure controller communication for POC8.



MC6-T - STANDARD ACCESSORIES



POWER CORD FOR EUR (SHUKO)	
Part number	6675160
Description	Power cord 1 pc. Select correct model. (the pictures deviates a little from the delivered cord)



POWER CORD FOR US	
Part number	6675175
Description	Power cord 1 pc. Select correct model. (the pictures deviates a little from the delivered cord)



POWER CORD FOR UK	
Part number	6675180
Description	Power cord 1 pc. Select correct model. (the pictures deviates a little from the delivered cord)



POWER CORD FOR AUS	
Part number	6675185
Description	Power cord 1 pc. Select correct model. (the pictures deviates a little from the delivered cord)



USB CABLE	
Part number	8036700
Description	USB A-B (male-male) cable.



TEST CLIPS	
Part number	8066810
Description	Test clips type 1, 1 pair.



TEST CLIPS	
Part number	8066811
Description	Test clips type 2, 2 pairs.



TEST LEAD CU-CU	
Part number	8036820
Description	Test lead Cu-Cu.

MC6-T - STANDARD ACCESSORIES



TEST LEADS	
Part number	8066800
Description	Test leads, 3 pairs.

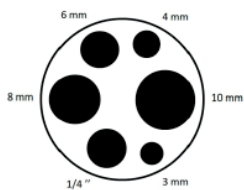
INSERT REMOVAL TOOL	
Part number	8129750
Description	Insert removal tool

USER GUIDE	
Part number	8862000
Description	User guide in English (ask for other languages).



ACCREDITED CALIBRATION CERTIFICATE	
Part number	
Description	Accredited calibration certificate included as standard for MC6 and internal/external pressure measurement modules. Thermocouple type K and RTD type Pt100@385 calibrated as standard. For additional T/C/RTD measurement+simulation calibration, see recalibration price list.

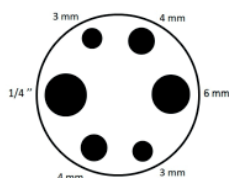
MC6-T - INSERTS



MC6-T150 MH1

Order code 5671301

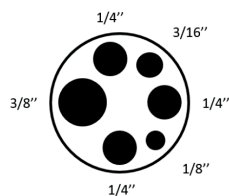
Description Multi-hole (3mm, 4mm, 6mm, 8mm, 10mm, 1/4in), comes with two rubber shields 5655201.



MC6-T150 MH2

Order code 5671302

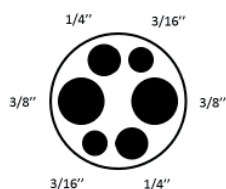
Description Multi-hole (2x3mm, 2x4mm, 6mm, 1/4in), comes with two rubber shields 5655202.



MC6-T150 MH3

Order code 5671303

Description Multi-hole (3*1/4in, 3/16in, 1/8in, 3/8in), comes with two rubber shields 5655203.



MC6-T150 MH4

Order code 5671304

Description Multi-hole (2*1/4in, 2*3/16in, 2*3/8in), comes with two rubber shields 5655204.

MC6-T150 B

Order code 5655100

Description Blank insert, comes with two blank rubber shields 5655180.

MC6-T150 S

Order code 56712xx

Description Multiple special inserts available on request, comes with two blank rubber shields 5655180.



RUBBER SHIELD

Order code 5655201

Description Rubber shield - Multi-hole (2x3mm, 2x4mm, 6mm, 1/4in)


RUBBER SHIELD

Order code 5655202

Description Rubber shield - Multi-hole (2x3mm, 2x4mm, 6mm, 1/4in)


RUBBER SHIELD

Order code 5655203

Description Rubber shield - Multi-hole (3*1/4in, 3/16in, 1/8in, 3/8in)


RUBBER SHIELD

Order code 5655204

Description Rubber shield - Multi-hole (2*1/4in, 2*3/16in, 2*3/8in)

RUBBER SHIELD

Order code 5655180

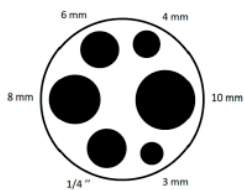
Description Rubber shield without holes

SHORT BLANK INSERT

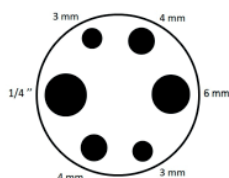
Order code 5655105

Description Blank insert for short sensor, comes with two blank rubber shields 5655180.

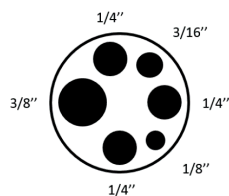
MC6-T - INSERTS



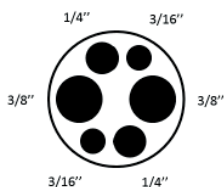
MC6-T660 MH1	
Order code	5671601
Description	Multi-hole (3mm, 4mm, 6mm, 8mm, 10mm, 1/4in)



MC6-T660 MH2	
Order code	5671602
Description	Multi-hole (2x3mm, 2x4mm, 6mm, 1/4in)



MC6-T660 MH3	
Order code	5671603
Description	Multi-hole (3*1/4in, 3/16in, 1/8in, 3/8in)



MC6-T660 MH4	
Order code	5671604
Description	Multi-hole (2*1/4in, 2*3/16in, 2*3/8in)

MC6-T660 B	
Order code	5655300
Description	Blank insert

MC6-T660 S	
Order code	56717xx
Description	Multiple special inserts available on request.

MC6-T - OPTIONAL ACCESSORIES



ACCESSORY HOLDER KIT (MC6-T150)	
Part number	8129710
Description	Accessory holder can be attached to the back of the calibrator. Cold accessory holder can hold two inserts with their insulation pieces, insert removal tool as well as the power cord while carrying the device. Cold accessory holder is made of stainless steel and painted black.



ACCESSORY HOLDER KIT (MC6-T660)	
Part number	8129720
Description	Accessory holder can be attached to the back of the calibrator. Hot accessory holder kit includes the accessory holder, a sensor heat shield plate as well as a holder for the heat shield. Hot accessory holder can hold three inserts, insert removal tool, heat shield holder as well as the power cord while carrying the device. The sensor heat shield is recommended to be used when calibrating sensors at temperatures above 150 °C. Heat shield will protect the sensor handles and internal structures. Hot accessory holder kit is made of stainless steel.

TRANSPORT CASE FOR MC6-T	
Part number	8129900
Description	Transport case has been designed to keep the calibrator safe during transportation. On top of the calibrator, you can safely pack your Beamex RPRT reference sensor and important documents, such as the user manual and calibration certificate. If you use the accessory holder with your calibrator, it can be inserted to the case attached to the calibrator. The lid of the transport case can hold all the required cables, calibration inserts as well as some small tools and other accessories.



RPRT-420-300	
Part number	9405000
Description	Pt100 probe, max 420°C (788°F), length 300mm, straight. Sensor provided with smart 6-pin Lemo connector as standard. Accredited calibration certificate RPRT-420: with 6 calibration points as standard (-45, -20, +0, +70, +230 and +420 in °C)



RPRT-420-230A	
Part number	9405050
Description	Pt100 probe, max 420°C (788°F), length 230mm 90° angled. Sensor provided with smart 6-pin Lemo connector as standard. Accredited calibration certificate RPRT-420: with 6 calibration points as standard (-45, -20, +0, +70, +230 and +420 in °C)



RPRT-660-300	
Part number	9405200
Description	Pt100 probe, max 660°C (1220°F), length 300mm, straight. Sensor provided with smart 6-pin Lemo connector as standard. ITS-90 coefficient stored in sensor. Accredited calibration certificate RPRT-660: with 5 calibration points as standard (-0, +156, +240, +420 and +660 in °C)



RPRT-660-230A	
Part number	9405250
Description	Pt100 probe, max 660°C (1220°F), length 230mm, 90° angled. Sensor provided with smart 6-pin Lemo connector as standard. ITS-90 coefficient stored in sensor. Accredited calibration certificate RPRT-660: with 5 calibration points as standard (+0, +156, +240, +420 and +660 in °C)



IPRT-300	
Part number	9405300
Description	Pt100 probe, max 300°C (572 °F), length 250mm. Sensor provided with smart 6-pin Lemo connector as standard. Cvd coefficient on IEC 60751. Accredited calibration certificate with 7 calibration points as standard (-45, -25, +0, +75, +150, +225 and +300).

MC6-T - OPTIONAL ACCESSORIES



SIRT-155 PT100	
Part number	9405290
Description	Short Industrial Resistance Thermometer -30...+155°C (-22...311°F), Platinum ThinFilm Pt100 4-wire connection in stainless steel casing. ITS-90 coefficients or IEC 60751. Accredited calibration certificate.



CONNECTOR SET FOR BAREWIRE APPLICATIONS	
Part number	8066830
Description	Connector set for barewire applications, 4 pcs.



THERMOCOUPLE PLUG SET ANSI	
Part number	8036830
Description	Thermocouple plug set, including: R/S, E, J, K, N, T-types. ANSI.



THERMOCOUPLE PLUG SET IEC	
Part number	8036840
Description	Thermocouple plug set, including: R/S, E, J, K, N, T-types. IEC.



FF 7/8" CABLE	
Part number	8081710
Description	Test lead set with 7/8" connector for Foundation Fieldbus.



EXT CABLE	
Part number	8036775
Description	EXT cable (MC2/MC4 to EXT/EXT-IS).



FF M12 CABLE	
Part number	8081720
Description	Test lead set with M12 connector for Foundation Fieldbus.



PA 7/8" CABLE	
Part number	8081730
Description	Test lead set with 7/8" connector for Profibus PA.

MC6-T - OPTIONAL ACCESSORIES



PA M12 CABLE	
Part number	8081740
Description	Test lead set with M12 connector for Profibus PA.



ADAPTER CABLE FOR REFERENCE THERMOMETER, FEMALE LEMO TO BANANA	
Part number	8120500
Description	Adapter cable to Beamex RPRT sensors, 6-pin female Lemo to banana plugs.



ADAPTER CABLE FOR 2ND RTD CHANNEL, MALE LEMO TO BANANA	
Part number	8120510
Description	Adapter cable to MC6 R2-channel or R-model temperature block, Banana plugs to 6-pin male Lemo.



CALIBRATION CERTIFICATES IN DIGITAL FORMAT (PDF)

Order code 9050420

Description Calibration certificates in digital format (PDF).

MC6-T FULL RECALIBRATION

Order code 9060680

Description Temperature and electrical recalibration of MC6-T. Includes “as found” calibration. If not passed, the unit is adjusted (when possible) and an “as left” calibration is carried out without additional charges. For more information and service orders, visit: <https://www.beamex.com/services/>

MC6-T TEMPERATURE RECALIBRATION

Order code 9060681

Description Temperature recalibration of MC6-T according to EURAMET cg-13 v.01. Includes “as found” calibration. If not passed, the unit is adjusted (when possible) and an “as left” calibration is carried out without additional charges. For more information and service orders, visit: <https://www.beamex.com/services/>

MC6-T ELECTRICAL RECALIBRATION

Order code 9060682

Description Electrical recalibration of MC6-T. Includes “as found” calibration. If not passed, the unit is adjusted (when possible) and an “as left” calibration is carried out without additional charges. For more information and service orders, visit: <https://www.beamex.com/services/>

MC6-T ACCREDITED BAROMETRIC RECALIBRATION

Order code 9060683

Description Recalibration of the internal barometric sensor of the MC6-T

XPM, EPM, EPM-IS, EXT, EXT-IS RECALIBRATION

Order code 9060469

Description Recalibration of external pressure modules; EXT, EXT-IS, XPM, EPM, EPM-IS. For more information and service orders, visit: <https://www.beamex.com/services/>

MC6-T - SERVICES

XPM, EPM, EPM-IS, EXT, EXT-IS RECALIBRATION FOR USA MARKET	
Order code	9999704
Description	NIST Recalibration of one external pressure module for USA market. For more information and service orders, visit: https://www.beamex.com/services/ .

BEAMEX CARE PLAN FOR 36 MONTHS, ONLY AVAILABLE FOR EUROPEAN COUNTRIES	
Order code	9050800
Description	Beamex Care Plan for 36 months. Including recalibration and services as specified in the additional terms for Beamex Care Plan. More information at: https://www.beamex.com/services/equipment-care-plan/