

# BEAMEX ORDERING GUIDE

## MC6



# BEAMEX MC6

## HARDWARE AND SOFTWARE OPTIONS AND ACCESSORIES



### MC6 ADVANCED FIELD CALIBRATOR AND COMMUNICATOR

**Order code** 9270000

**Description** Advanced field calibrator and communicator including temperature, electrical and reference junction functions

**Hardware options**

**Fieldbus communication**

Fieldbus hardware capability 9270560 Fieldbus hardware capability Fieldbus and Profibus communicator software option also required



**Internal pressure modules:**

**NOTE:** Maximum number of pressure modules: 3 gauge modules + barometric module.

PB	9270100	Barometric module for absolute mode	
P10mD	9270120	±10 mbar diff.	±4 inH2O
P100m	9270140	0 to 100 mbar g	0 to 40 inH2O
P400mC	9270160	±400 mbar g	±160 inH2O
P1C	9270180	±1 bar g	-14.5 to +15 psi
P2C	9270200	-1 to 2 bar g	-14.5 to +30 psi
P6C	9270220	-1 to 6 bar g	-14.5 to +90 psi
P20C	9270240	-1 to 20 bar g	-14.5 to +300 psi
P60	9270260	0 to 60 bar g	0 to 900 psi
P100	9270280	0 to 100 bar g	0 to 1,500 psi
P160	9270300	0 to 160 bar g	0 to 2,400 psi

**External pressure modules: (Standard accuracy)**

EXT200mC-s	9120300	±200 mbar	±80 inH2O
EXT2C-s	9120320	-1 to 2 bar	-14.5 to 30 psi
EXT20C-s	9120340	-1 to 20 bar	-14.5 to 300 psi
EXT160-s	9120360	0 to 160 bar	0 to 2,400 psi

**External pressure modules: (High accuracy)**

EXTB	9220310	Barometric module for absolute mode	
EXT10mD	9220312	±10 mbar diff.	±4 inH2O
EXT100m	9220315	0 to 100 mbar g	0 to 40 inH2O
EXT400mC	9220320	±400 mbar g	±160 inH2O
EXT1C	9220325	±1 bar g	-14.5 to +15 psi
EXT2C	9220330	-1 to 2 bar g	-14.5 to +30 psi
EXT6C	9220335	-1 to 6 bar g	-14.5 to +90 psi
EXT20C	9220340	-1 to 20 bar g	-14.5 to +300 psi
EXT60	9220345	0 to 60 bar g	0 to 900 psi
EXT100	9220350	0 to 100 bar g	0 to 1,500 psi
EXT160	9220355	0 to 160 bar g	0 to 2,400 psi
EXT250	9220360	0 to 250 bar g	0 to 3,700 psi
EXT600	9220365	0 to 600 bar g	0 to 9,000 psi
EXT1000	9220370	0 to 1000 bar g	0 to 15,000 psi
EXT Cable	8066770	EXT cable (MC5/MC6 --> EXT/EXT-IS)	



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MC6 ADVANCED FIELD CALIBRATOR AND COMMUNICATOR			
<b>Firmware options</b>	DL	9270810	Multichannel data logger
	MSPlus	9270840	Mobile Security Plus. NOTE: Documenting calibrator option required on calibrator, requires CMX with MSPlus option!
	MC6HART	9270500	HART communication option
	MC6FF	9270520	MC6 Foundation Fieldbus (H1) communication option (9270560 hardware option also required)
	MC6PA	9270540	MC6 Profibus PA communication option (9270560 hardware option also required)
	Sensor Curve	9270890	Special temperature curve (please specify and and check availability)
	TBC Ametek Jofra xTC	9270730	Temperature block communicaton to Ametek Jofra, 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 (Only RS-232)
	TBC MB/FB	9270700	Temperature block communication to Beamex FB and MB series dryblocks. Includes required RS232/USB adapter cable.
	TBC Fluke 917x/914x	9270720	Temperature block communicaton to Fluke - Hart Scientific 9170, 9171, 9172, 9173 / 9142, 9143, 9144
	TBC Fluke-Hart Scientific	9270740	Temperature block communicaton 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	9270620	Pressure controller communication for WIKA CPC3000. Includes required RS232/USB adapter cable
	PCC CPC4000	9270640	Pressure controller communication for WIKA CPC4000. Includes required RS232/USB adapter cable
	PCC CPC8000	9270650	Pressure controller communication for WIKA CPC8000. Includes required RS232/USB adapter cable
	PCC DPI 510/520	9270610	Pressure controller communication for Druck DPI520 or DPI510. Includes required RS232/USB adapter cable
	PCC LPC	9270630	Pressure controller communication for United Instruments LPC. Includes required RS232/USB adapter cable
PCC POC4	9270605	Pressure controller communication for POC4. Free of charge if ordered together with POC6 Communication option. Includes required RS232/USB adapter cable	
PCC POC6	9270600	Pressure controller communication for POC6. Includes required RS232/USB adapter cable	
PCC POC8	9270660	Pressure controller communication for POC8.	

## MC6 - STANDARD ACCESSORIES



POWER CORD FOR EU	
<b>Part number</b>	8081760
<b>Description</b>	Power cord 1 pc. Select correct model.



POWER CORD FOR US	
<b>Part number</b>	8081765
<b>Description</b>	Power cord 1 pc. Select correct model.



POWER CORD FOR UK	
<b>Part number</b>	8081770
<b>Description</b>	Power cord 1 pc. Select correct model.



POWER CORD FOR AU	
<b>Part number</b>	8081775
<b>Description</b>	Power cord 1 pc. Select correct model.



BC15 CHARGER	
<b>Part number</b>	8081755
<b>Description</b>	Power supply 120-240 VAC.



LIPO BATTERY PACK	
<b>Part number</b>	8081785
<b>Description</b>	LiPo battery pack (model 2017).



USB CABLE	
<b>Part number</b>	8036700
<b>Description</b>	USB A-B (male-male) cable.



TEST CLIPS	
<b>Part number</b>	8066810
<b>Description</b>	Test clips type 1, 1 pair.

## MC6 - STANDARD ACCESSORIES



TEST CLIPS	
<b>Part number</b>	8066811
<b>Description</b>	Test clips type 2, 2 pairs.



TEST LEAD CU-CU	
<b>Part number</b>	8036820
<b>Description</b>	Test lead Cu-Cu.



TEST LEADS	
<b>Part number</b>	8066800
<b>Description</b>	Test leads, 3 pairs.



USER GUIDE	
<b>Part number</b>	8860000
<b>Description</b>	User guide.



ACCREDITED CALIBRATION CERTIFICATE	
<b>Part number</b>	
<b>Description</b>	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 - OPTIONAL ACCESSORIES



### CONNECTOR SET FOR BAREWIRE APPLICATIONS

<b>Part number</b>	8066830
<b>Description</b>	Connector set for barewire applications, 4 pcs.



### THERMOCOUPLE PLUG SET ANSI

<b>Part number</b>	8036830
<b>Description</b>	Thermocouple plug set, including: R/S, E, J, K, N, T-types. ANSI.



### THERMOCOUPLE PLUG SET IEC

<b>Part number</b>	8036840
<b>Description</b>	Thermocouple plug set, including: R/S, E, J, K, N, T-types. IEC.



### 40 BAR T-HOSE

<b>Part number</b>	8009550
<b>Description</b>	T-tubing 40 bar (600 psi), incl. junction block + 3 pcs 0.75 m (30 inch) hose with 3x G1/8" BSP female connectors (60° int. cone).



### 40 BAR HOSE

<b>Part number</b>	8009560
<b>Description</b>	40 bar (600psi) pressure hose 0.75 m with G1/8" BSP female connectors (60° int. cone) at both ends.



### CONNECTOR 1/8" BSP - 1/8" NPT

<b>Part number</b>	7113260
<b>Description</b>	Adapter G1/8" BSP male (60° cone) to 1/8" NPT male.



### CONNECTOR 1/8" BSP - 1/4" NPT

<b>Part number</b>	7113300
<b>Description</b>	Adapter G 1/8" BSP male (60° cone) to 1/4" NPT male.



### CONNECTOR SET

<b>Part number</b>	8003100
<b>Description</b>	1x G1/8" BSP male (60° int. cone) to G1/8" BSP male (60° int. cone) + 1x O-ring, 1x G1/8" BSP male (60° int. cone) to G1/4" BSP female (60° int. cone) + 2x seals, 1x G1/8" BSP male (60° int. cone) to 1/4" NPT male.

## MC6 - OPTIONAL ACCESSORIES



### HEX REDUCING NIPPLE

<b>Part number</b>	7115025
<b>Description</b>	G1/8" BSP male (60° int. cone) to G1/4" BSP male. 2 bonded sealing rings included. For connecting EXT160 module to PGHH or PGXH Hydraulic Pump.



### X-LOK CONVERTER

<b>Part number</b>	8009120
<b>Description</b>	G1/8" BSP male (60° int. cone) to X-LOK.



### NPT HIGH PRESSURE HOSE SET

<b>Part number</b>	8003367
<b>Description</b>	Hose set for high pressure with 1215 fittings (up to 400 bar / 5,800 psi), including 1 m high pressure hose, an adapter to G1/8" BSP (to the INT/PM module) and an adapter to 1/4" NPT (to pressure source). Suitable for P60/100/160 port.



### BSP HIGH PRESSURE HOSE SET

<b>Part number</b>	8003365
<b>Description</b>	Hose set for high pressure with 1215 fittings (up to 400 bar / 5,800 psi), including 1 m high pressure hose, an adapter to G1/8" BSP (to the INT/PM module) and an adapter to G1/4" BSP (to pressure source). Suitable for P60/100/160 port.



### MC5/MC6 EXT CABLE

<b>Part number</b>	8066770
<b>Description</b>	Cable, MC6 --> EXT/EXT-IS.



### HIGH PRESSURE ADAPTER

<b>Part number</b>	7108650
<b>Description</b>	1215 to G1/4" BSP Adapter for connecting external high pressure module (EXT60...EXT1000) to high pressure hose.



### CARRY CASE HARD

<b>Part number</b>	8081920
<b>Description</b>	IP67 protection class. Ideal for pharmaceutical & food sector. Dimensions: 47 x 36 x 17 cm. Not suitable for IS calibrators.



### CARRY CASE SOFT

<b>Part number</b>	8081900
<b>Description</b>	Carry case, soft.

## MC6 - OPTIONAL ACCESSORIES



ACCESSORY CASE SOFT	
<b>Part number</b>	8081910
<b>Description</b>	Accessory case, soft.



FLAT CASE	
<b>Part number</b>	9270820
<b>Description</b>	Calibrator equipped with flat case can only hold barometric module.



DMT40 DIRT TRAP 40 BAR	
<b>Part number</b>	9010900
<b>Description</b>	Includes hose for connecting DTM40 to the pressure source, spare seal kit (8003290), support to install the DTM40 into the back of a bench system and a 40 bar adapter for the bottom of the dirt trap, to be used only if you remove the stand and fix DTM40 e.g. to a wall.



DMT210 DIRT TRAP 210 BAR	
<b>Part number</b>	9010910
<b>Description</b>	Includes hose for connecting DTM210 to the pressure source, spare seal kit (8003290), support to install the DTM210 into the back of a bench system.



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



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



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



PA M12 CABLE	
<b>Part number</b>	8081740
<b>Description</b>	Test lead set with M12 connector for Profibus PA.



# MC6 - OPTIONAL ACCESSORIES



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



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

CALIBRATION CERTIFICATES IN DIGITAL FORMAT (PDF)	
<b>Order code</b>	9050420
<b>Description</b>	Calibration certificates in digital format (PDF).

MC6 RECALIBRATION	
<b>Order code</b>	9060490
<b>Description</b>	Recalibration of MC6. Includes an 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: <a href="https://www.beamex.com/services/">https://www.beamex.com/services/</a> .

MC6 RECALIBRATION FOR USA MARKET	
<b>Order code</b>	9999717
<b>Description</b>	NIST Recalibration of MC6 for USA Market. For more information and service orders, visit: <a href="https://www.beamex.com/services/">https://www.beamex.com/services/</a> .

INTERNAL PRESSURE MODULE RECALIBRATION	
<b>Order code</b>	9060492
<b>Description</b>	Includes recalibration of one internal pressure module in an MC6. For more information and service orders, visit: <a href="https://www.beamex.com/services/">https://www.beamex.com/services/</a> .

INTERNAL PRESSURE MODULE RECALIBRATION FOR USA MARKET	
<b>Order code</b>	9999718
<b>Description</b>	NIST Recalibration of one internal pressure module for USA Market. For more information and service orders, visit: <a href="https://www.beamex.com/services/">https://www.beamex.com/services/</a> .



XPM, EPM, EPM-IS, EXT, EXT-IS RECALIBRATION	
<b>Order code</b>	9060469
<b>Description</b>	Recalibration of external pressure modules; XPM, EPM, EPM-IS, EXT, EXT-IS. For more information and service orders, visit: <a href="https://www.beamex.com/services/">https://www.beamex.com/services/</a> .



XPM, EPM, EPM-IS, EXT, EXT-IS RECALIBRATION FOR USA MARKET	
<b>Order code</b>	9999704
<b>Description</b>	NIST Recalibration of one External Pressure Module for USA Market. For more information and service orders, visit: <a href="https://www.beamex.com/services/">https://www.beamex.com/services/</a> .

BEAMEX CARE PLAN FOR 36 MONTHS, ONLY AVAILABLE FOR EUROPEAN COUNTRIES	
<b>Order code</b>	9050800
<b>Description</b>	Beamex Care Plan for 36 months. Including recalibration and services as specified in the Additional Terms for Beamex Care Plan. More information at: <a href="https://www.beamex.com/services/equipment-care-plan/">https://www.beamex.com/services/equipment-care-plan/</a>

FIXED SERVICE PACK, MC6 (TYPE 1)	
<b>Order code</b>	9060096
<b>Description</b>	Fixed Service Packs include cleaning, testing, fault finding, repairing, spare parts and program upgrades if needed. Fixed Service Packs do not include calibration, calibration certificate nor adjustment of accuracy New pressure modules and/or pressure sensors, new electrical and/or electrical/temperature modules or RJ-modules and MC5/IS battery packs are outside the scope of Fixed Service Packs. Faults in appearance, which do not affect functionality, are also outside the scope of Fixed Service Packs. Typical faults included in Type 1 classification are: max. two of following faults: replacement of small casing parts, display cover, front sticker and other stickers, 20 bar pressure connectors, charger, cleaning of pressure sensors, cleaning, trimming or change of overpressure protection, search of leakage. Replacement of MC6 touchscreen.

FIXED SERVICE PACK, MC6 (TYPE 2)	
<b>Order code</b>	9060098
<b>Description</b>	Fixed Service Packs include cleaning, testing, fault finding, repairing, spare parts and program upgrades if needed. Fixed Service Packs do not include calibration, calibration certificate nor adjustment of accuracy New pressure modules and/or pressure sensors, new electrical and/or electrical/temperature modules or RJ-modules and MC5/IS battery packs are outside the scope of Fixed Service Packs. Faults in appearance, which do not affect functionality, are also outside the scope of Fixed Service Packs. Typical faults included in Type 2 classification are :several Type 1 faults, replacement of keyboard, display, power supply board, processor board (MC6 & MC6 Workstation E-board excluded). Top/bottom casing repair/change (non-cosmetic). Replacement of 630 bar pressure connectors, replacement of MC5P and MC6 Workstation main chassis.