



## ©Beamex Product Comparison Chart – Calibrators

\*) mA generation is 'sink', but you could use the measure section in series to enable mA source.

\*\*) Sink generation is possible with external supply

Product name		MC2 -PE	MC2 -TE	MC2 -MF	MC2- IS	MC4	MC5	MC5- IS	MC5P
Portable calibrator		●	●	●	●	●	●	●	-
Panel mounted calibrator		-	-	-	-	-	-	-	●
<b>Electrical</b>									
Measure	mA	●	●	●	●	●	●	●	●
Measure	mV	●	●	●	●	●	●	●	●
Measure	mV	●	●	●	●	●	●	●	●
Measure	V	●	●	●	●	●	●	●	●
Generate	mA	-	●	●	-*	●	●	-**	●
Generate	mV	-	●	●	●	●	●	●	●
Generate	V	-	●	●	●	●	●	●	●
Measure	Ohms	-	●	●	●	●	●	●	●
Count	Pulses	●	●	●	●	●	●	●	●
Measure	Frequency	●	●	●	●	●	●	●	●
Generate	Ohms	-	●	●	●	●	●	●	●
Generate	Pulses	-	●	●	●	●	●	●	●
Generate	Frequency	-	●	●	●	●	●	●	●
<b>Temperature</b>									
Measure & Simulate	RTD	-	●	●	●	●	●	●	●
Measure & Simulate	T/C	-	●	●	●	●	●	●	●
Internal Ref Junction	T/C	-	●	●	●	●	●	●	●
<b>Pressure</b>									
Maximum Number of Internal Pressure Modules		1	-	1	-	1	3	3	10
Internal Barometer Option		●	●	●	●	●	●	●	●
Use with External Pressure Modules		●	●	●	●	●	●	●	●
<b>Internal Pressure Module Ranges (Gauge unless used with Barometric Option)</b>									
±10 mbar D	±4 iwc diff	-	-	-	-	-	●	●	●
0 to 100 mbar	0 to 40 iwc	-	-	-	-	-	●	●	●
±200 mbar	± 80 iwc	●	-	●	-	●	-	-	-
±400 mbar	±160 iwc	-	-	-	-	-	●	●	●
-1 to 1 bar	-14.5 to 15 psi	-	-	-	-	-	●	●	●
-1 to 2 bar	-14.5 to 30 psi	●	-	●	-	●	●	●	●
-1 to 6 bar	-14.5 to 90 psi	-	-	-	-	-	●	●	●
-1 to 20 bar	-14.5 to 300 psi	●	-	●	-	●	●	●	●
0 to 60 bar	0 to 900 psi	-	-	-	-	-	●	●	●
0 to 100 bar	0 to 1500 psi	-	-	-	-	-	●	●	●
0 to 160 bar	0 to 2400 psi	●	-	●	-	●	●	●	●



High Accuracy External Pressure Module Ranges									
±10 mbar D	±4 iwc diff	●	●	●	●	●	●	●	●
±100 mbar	± 80 iwc	●	●	●	●	●	●	●	●
±400 mbar	±160 iwc	●	●	●	●	●	●	●	●
-1 to 1 bar	-14.5 to 15 psi	●	●	●	●	●	●	●	●
-1 to 2 bar	-14.5 to 30 psi	●	●	●	●	●	●	●	●
-1 to 6 bar	-14.5 to 90 psi	●	●	●	●	●	●	●	●
-1 to 20 bar	-14.5 to 300 psi	●	●	●	●	●	●	●	●
0 to 60 bar	0 to 900 psi	●	●	●	●	●	●	●	●
0 to 100 bar	0 to 1500 psi	●	●	●	●	●	●	●	●
0 to 160 bar	0 to 2400 psi	●	●	●	●	●	●	●	●
0 to 250 bar	0 to 3700 psi	●	●	●	●	●	●	●	●
0 to 600 bar	0 to 9000 psi	●	●	●	●	●	●	●	●
0 to 1000 bar	0 to 15000 psi	●	●	●	●	●	●	●	●
Standard Accuracy External Pressure Module Ranges									
±200 mbar	± 80 iwc	●	●	●	●	●	●	●	●
-1 to 2 bar	-14.5 to 30 psi	●	●	●	●	●	●	●	●
-1 to 20 bar	-14.5 to 300 psi	●	●	●	●	●	●	●	●
0 to 160 bar	0 to 2400 psi	●	●	●	●	●	●	●	●
Other Functionality									
Loop Supply		●	●	●	●	●	●	-	●
Rechargeable Battery as standard		●	●	●	●	●	●	●	●
Dry Cell Battery as an Option		●	●	●	-	●	●	-	●
Switch Testing		●	●	●	●	●	●	●	●
Documenting to PC (CMX Software)		-	-	-	-	●	●	●	●
Custom PRT curves		-	-	-	-	●	●	●	●
Fieldbus/Profibus capability		-	-	-	-	-	●	●	●
HART compatible power supply		●	●	●	●	●	●	●	●
HART capability (read/configure)		-	-	-	-	-	●	●	●
Stepping/Ramping		●	●	●	●	●	●	●	●
Scaling		●	●	●	●	●	●	●	●
Remote Control		●	●	●	●	●	●	●	●
Datalogging Option		-	-	-	-	-	●	●	●
ATEX / IECEx Certified		-	-	-	●	-	-	●	-
Control of Temp Baths or Pressure Controllers		-	-	-	-	-	●	-	●
Warranty Period for Instrument (not Battery)		2	2	2	2	2	3	3	3
		Years	Years	Years	Years	Years	Years	Years	Years