



Type	Pressure measuring ranges		
	Range 1	Range 2	Range 3
QBM3230U03UD	-0.3" to +0.3" -100 to +100 Pa	-0.2" to +0.2" -50 to + 50 Pa	-0.1" to +0.1" -30 to +30 Pa
QBM3230U1D	0" to 1" 0 to 50 Pa	0" to 0.5" 0 to 100 Pa	0" to 0.3" 0 to 300 Pa
QBM3230U2D	0" to 2" 0 to 100 Pa	0" to 1" 0 to 300 Pa	0" to 0.5" 0 to 500 Pa
QBM3230U3D	0" to 3" 0 to 1000 Pa	0" to 2" 0 to 500 Pa	0" to 1" 0 to 300 Pa
QBM3230U5D	0" to 5" 0 to 1600 Pa	0" to 3" 0 to 1000 Pa	0" to 2" 0 to 500 Pa
QBM3230U10D	0" to 10" 0 to 2500 Pa	0" to 5" 0 to 1600 Pa	0" to 3" 0 to 1000 Pa
QBM3230U20D	0" to 20" 0 to 5000 Pa	0" to 10" 0 to 2500 Pa	0" to 5" 0 to 1600 Pa

<p>3 Wire Output</p> <p>The diagram shows three terminals labeled (0) M, (∩) U, and (+) G. Arrows indicate that M and U are connected to a common ground, while G is connected to the supply voltage.</p> <p>G (+): Operating voltage AC 24 V or DC 13.5...33 V M (0): GND, measuring neutral U (∩): Measuring signal DC 0...10 V</p>	<p>2 Wire Output</p> <p>The diagram shows two terminals labeled (∩) and (+) G. Arrows indicate that G is connected to the supply voltage and (∩) is connected to the measuring signal.</p> <p>G (+): Supply voltage DC 8...33 V I (∩): Measuring signal DC 4...20 mA</p>
<p>Installation Recommended mounting positions:</p> <ul style="list-style-type: none"> • Vertical, with the pressure connections facing downward, drain off possible condensed water. • Horizontal, with the cover facing downward. • Horizontal, with the cover facing upward 	<p>Three diagrams illustrate the recommended mounting orientations: vertical with connections down, horizontal with cover down, and horizontal with cover up.</p>

Set DIP switches

DIP switches 1-3 are used to select the measuring range. Switches 4-8 are used to select the output signal. Switch 9 is used to turn filter on or off. Switch 10 is used to select standard linear output or root extraction.

Factory Settings		1	2	3	4	5	6	7	8	9	10
	1 (ON) 0 (OFF)										
Pressure Range ¹	Measuring Range 1	0	0								
	Measuring Range 2	0	1								
	Measuring Range 3	1	0								
Output	0...10 V, 3-wire ²			1	1	0	0	0	0	-	-
	0...20 mA, 3-wire			0	1	1	1	0	1	-	-
	4...20 mA, 3-wire			0	1	1	0	0	1	-	-
	4...20 mA, 2-wire			0	0	1	1	1	0	-	-
Filter	0 = OFF, 1 = ON									x	-
Signal	0 = Linear, 1 = Root Extraction										x

¹ Refer to Pressure Range table on page 1.

² If 0-10V output is selected, display may be used to further select 0-5V.

Setup parameters (D units only)

a) Press the zero-point button for less than 2 seconds to access the setup parameters.

⇒ Menu closes after 8 seconds or multiple presses of the button.

Display	Definition	Available options	Notes
x.xx in H ₂ O	Current DP reading in selected units	Not selectable	Press and hold push button to reset zero point
FS: x.xx In H ₂ O	Upper limit of current measuring scale	Not selectable	Adjust Turbo-Pot to fine tune upper limit of measuring range down to 50 % of standard value
Display: Pressure	Identifies selected display type	Pressure in selected units % of full scale	-
Unit: in H ₂ O	Identifies selected display units	Inches water column mbar Pa kPa hPa	-
Output: Xxxxx	Displays selected output signal (selectable only if DIP switches are configured for voltage output)	0...10 V 0...5 V	Use DIP switches to select voltage or current outputs
Range %: 0 / 100	-	0 / 100 10 / 90 100 / 100 100 / 0	-
Filter: 0.02 s	-	0.02 seconds 1 second 5 seconds 20 seconds	-
Light: 5 min	-	Off On 5 minutes	-
Serial	-	Not selectable	Press and hold pushbutton to view serial number. Press again to view FW number Press again to view run time in minutes Press again times to view run time in hours
Factory Reset?	-	Not selectable	Press and hold pushbutton to activate reset sequence. Press and hold pushbutton to confirm. Note: Does not reset DIP switch values

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