



## 402-MT5A-90B10

402-MT5A-90B10, Three-phase energy meter indirect connection

Code: QBP1A.

- > Type Consumer: 1
- > Communications: RS-232 | RS-485
- > Class (Active / Reactive): 0.2S/0.5
- > System: Three-phase
- > Measure: Indirect
- > Measurement Range (V): 3x63,5/110
- > Measurement Range (A): .../5
- > Quadrants: 4
- > Frequency (Hz): 50

### Description

CIRCUITOR's CIRWATT-B410T is a standard three phase indirect meter. It is the result of all the technological developments which is experiencing the current market. These changes have created new needs and requirements both in terms of more flexible rates, new communication system and price optimization. Providing to the market a robust and competitive meter fully complying with the new European Directive MID (EN 50470) and all the relevant IEC's.

### Application

CIRWATT-B410T is suitable to be installed in LV and MV networks being the best solution or installations with high and medium consumptions like shopping malls, industries and high consumption households.



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### Specifications

#### Mechanical characteristics

Size (mm) width x height x depth	172 x 255 x 67 (mm)
Weight (kg)	1,23

#### Serial communication

Protocol	REE, basado en IEC 870-5-102
Technology / Type	RS-232 RS-485

#### CIRWATT BIII-T

Three-phase energy meters indirect connection

CODE	TYPE	Measurement Range (V)	Measurement Range (A)	Communications	Class (Active/Reactive)	System	Measure
<b>CIRWATT B 502</b>							
QBP1P.	402-MT5A-70B10	3x63,5/110	.../5	RS-232   RS-232	0.2S/0.5	Three-phase	Indirect
QBP1A.	402-MT5A-90B10	3x63,5/110	.../5	RS-232   RS-485	0.2S/0.5	Three-phase	Indirect
QBP1Q.	402-MT5A-80B10	3x63,5/110	.../5	RS-485   RS-485	0.2S/0.5	Three-phase	Indirect
QBP1B.	402-MT5A-A0B10	3x63,5/110	.../5	RS-232   Ethernet	0.2S/0.5	Three-phase	Indirect
QBP1R.	402-MT5A-C0B10	3x63,5/110	.../5	RS-485   Ethernet	0.2S/0.5	Three-phase	Indirect
QBP1C	402-MT5B-90B10	3x63,5/110	.../5	RS-232   RS-485	0.2S/0.5	Three-phase	Indirect
QBP1D	402-MT5B-A0B10	3x63,5/110	.../5	RS-232   Ethernet	0.2S/0.5	Three-phase	Indirect
<b>CIRWATT B 505</b>							
QBP1I	405-MT5A-70B10	3x63,5/110	.../5	RS-232   RS-232	C (0,5S)/1	Three-phase	Indirect
QBP1J	405-MT5A-80B10	3x63,5/110	.../5	RS-485   RS-485	C (0,5S)/1	Three-phase	Indirect
QBP1E	405-MT5A-90B10	3x63,5/110	.../5	RS-232   RS-485	C (0,5S)/1	Three-phase	Indirect
QBP1F	405-MT5A-A0B10	3x63,5/110	.../5	RS-232   Ethernet	C (0,5S)/1	Three-phase	Indirect
QBP1K	405-MT5A-C0B10	3x63,5/110	.../5	RS-485   Ethernet	C (0,5S)/1	Three-phase	Indirect
QBN00	405-VT7A-90B10	3x57/100 ... 3x230/400	.../ 1	RS-232   RS-485	C (0,5S)/1	Three-phase	Indirect
<b>CIRWATT B 410T</b>							
QB860	410-QT5A-70B10	3x230/400	.../5	RS-232   RS-232	B (1) / 2	Three-phase	Indirect
<b>CIRWATT B 505</b>							
QBN10	405-VT7A-A0B10	3x57/100 ... 3x230/400	.../ 1	RS-232   Ethernet	C (0,5S)/1	Three-phase	Indirect
QBN30	405-VT7B-90B10	3x57/100 ... 3x230/400	.../ 1	RS-232   RS-485	C (0,5S)/1	Three-phase	Indirect
QBN40	410-VT7B-A0B10	3x57/100 ... 3x230/400	.../ 1	RS-232   Ethernet	C (0,5S)/1	Three-phase	Indirect
<b>CIRWATT B 410T</b>							
QB8A0	410-QT5A-80B10	3x230/400	.../5	RS-485   RS-485	B (1) / 2	Three-phase	Indirect
QB870	410-QT5A-90B10	3x230/400	.../5	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QB880	410-QT5A-A0B10	3x230/400	.../5	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect



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QB890	410-QT5A-C0B10	3x230/400	.../5	RS-485   Ethernet	B (1) / 2	Three-phase	Indirect
QB110	410-VT5A-90B10	3x57/100 ... 3x230/400	.../5	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBG60	410-NT5A-70B10	3x127/220	.../5	RS-232   RS-232	B (1) / 2	Three-phase	Indirect
QB120	410-VT5A-A0B10	3x57/100 ... 3x230/400	.../5	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QBG70	410-NT5A-90B10	3x127/220	.../5	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QB8D0	410-QT5B-90B10	3x230/400	.../5	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBGA0	410-NT5A-80B10	3x127/220	.../5	RS-485   RS-485	B (1) / 2	Three-phase	Indirect
QBG80	410-NT5A-A0B10	3x127/220	.../5	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QB8E0	410-QT5B-A0B10	3x230/400	.../5	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QBG90	410-NT5A-C0B10	3x127/220	.../5	RS-485   Ethernet	B (1) / 2	Three-phase	Indirect
QB160	410-VT5B-90B10	3x57/100 ... 3x230/400	.../5	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBH20	410-MT5A-70B10	3x63,5/110	.../5	RS-232   RS-232	B (1) / 2	Three-phase	Indirect
QB170	410-VT5B-A0B10	3x57/100 ... 3x230/400	.../5	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QBH30	410-MT5A-90B10	3x63,5/110	.../5	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBN0B	410-QT7A-90B10	3x230/400	.../1	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBH61	410-MT5A-80B10	3x63,5/110	.../5	RS-485   RS-485	B (1) / 2	Three-phase	Indirect
QBH40	410-MT5A-A0B10	3x63,5/110	.../5	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QBN1B	410-QT7A-A0B10	3x230/400	.../1	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QBH50	410-MT5A-C0B10	3x63,5/110	.../5	RS-485   Ethernet	B (1) / 2	Three-phase	Indirect
QBN0J	410-VT7A-90B10	3x57/100 ... 3x230/400	.../1	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBN1J	410-VT7A-A0B10	3x57/100 ... 3x230/400	.../1	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QBN2B	410-QT7B-90B10	3x230/400	.../1	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBN3B	410-QT7B-A0B10	3x230/400	.../1	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect
QBN2J	410-VT7B-90B10	3x57/100 ... 3x230/400	.../1	RS-232   RS-485	B (1) / 2	Three-phase	Indirect
QBN3J	410-VT7B-A0B10	3x57/100 ... 3x230/400	.../1	RS-232   Ethernet	B (1) / 2	Three-phase	Indirect