

M402

Electronic Current Burden



Electronic Current Burden **M402** is used as a load in the secondary circuits of Current Transformers during their verification and calibration

With the wide programmable burden power range provided, most national and international standard burdens or specific customer values can be set

FEATURES AND BENEFITS

- ▲ Wide range of burden values according to standards: IEC 61869-2, IEC 60044-1, IEEE C57.13, GOST 23624, GOST 7746
- ▲ Standard and non-standard burden power values at rated secondary currents: 1; 2; 5 A
- ▲ Rated burden power range:
0; 0,5...100 V·A, $\cos \varphi = 0,5...1$ at 50 and 60 Hz
- ▲ Cable, contact and internal test set (Comparator) resistances are compensated by four-conductor connection
- ▲ Simple use by intuitive user interface
- ▲ Storage of individual burden settings, which can be retrieved as required

- ▲ Possibility of using with automated CT calibration systems
- ▲ The burden values range can be extended by connecting several devices in series
- ▲ Small size and low weight

APPLICATIONS

M402 is used by:












- ▲ Manufacturer of Current Transformers
- ▲ On-site testing of Current Transformers
- ▲ Calibration Laboratories
- ▲ Metrology Institutes

TECHNICAL SPECIFICATIONS

Rated current	1; 2; 5 A
Current frequency	50; 60 Hz
Current range	1...200 %
Range of burden power values	0; 0,5...100 V·A
Step of changing the burden value	0,01 V·A
Range of cos φ (power factor)	0,5...1
Step of changing cos φ (power factor)	0,01
Active and reactive power error	± 0,03·S* ± 0,04·S at S < 1 V·A and rated current 5 A
Power mains	
Rated voltage	110...240 V
Rated frequency	50/60 Hz
Operating temperature	0...40 °C
Relative humidity	up to 95 % non-condensing
Size	460 × 145 × 465 mm
Weight	15,5 kg

* Set burden power value

ORDERING INFORMATION

No	Item Name	Part no.	
Scope of supply:			
1	M402 Electronic Current Burden	M402.100	
2	MC Measuring cable; 2,5 m	M402.200	
3	Power Cord 10 A EU (CEE 7/XVII - C13)	—	
4	Serial port interface cable RS232 Null Modem Cable DB9 F/F	—	
5	Operating manual	M402 OM	
6	Passport	M402 P	
7	Package bag	S3U19	
Additional order:			
8	MC Measuring cable 2,5 m	M402.300	
9	Clip Connector, black	66.9755-22	
10	Clip Connector, red	66.9755-21	
11	"I" Connector, black	ADA86/F/1.8-SW	
12	"I" Connector, red	ADA86/F/1.8-RT	
13	"U" Connector, black	LB 4-KS NI/9/SW	
14	"U" Connector, red	LB 4-KS NI/9/RT	
15	"O" Connector, black	LB 4-RKS NI/8.4/SW	
16	"O" Connector, red	LB 4-RKS NI/8.4/RT	

OLTEST LLC

Development and production
of measurement devices

POSTAL ADDRESS

OLTEST LLC, PO box 33,
Kyiv, 04128, Ukraine

TEL and E-MAIL

+38 044 537-08-01
market@oltest.ua