INLEC.COM



Nationwide Low Call 0333 6000 600



CSU600ATM CSU600ATTM

Current Supply Units

Programma® Products





Current Supply Units

These high-current supply units have two main fields of application. The first is to conduct primary tests on protective relays. A primary test shows whether all parts of the protection system are functioning together properly within the specified time limits under operating conditions.

The second field of application involves conducting current tests on low-voltage circuit breakers and overcurrent devices.

The CSU600A[™] is a compact instrument which, together with Timer TM200[™] and an external ammeter, meets stringent requirements for accuracy, easy handling and performance. This current supply unit is ideal for a) performance and turn-ratio tests of current transformers, b) primary tests of protective relays, c) current tests on low- and high-voltage circuit breakers and d) commissioning tests that require variable currents.

The more sophisticated CSU600AT™ provides a more comprehensive solution. It has a built-in timer and an analog ammeter that provide rough current settings quickly and easily. As a result, connection time has been reduced to the bare minimum.

The CSU600A[™] and CSU600AT[™] current supply units have an excellent weight/performance ratio.

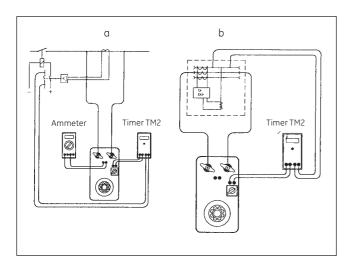
Application example

IMPORTANT!

Read the User's manual before using the instrument.

Primary test of protective relay equipment and low-voltage circuit breaker

- 1. Connect the CSU600A's current outputs across the current transformer (diagram a) or to the breaker terminals (diagram b).
- 2. Connect Timer TM200's start input to output T and the stop input to the protective relay equipment's auxiliary contact.
- 3. Set the current.
- 4. Execute the test.
- 5. Read the time from Timer TM200.



Optional accessories

Cable set (for 115 V), 2×5 m (16 ft), 70 mm² Weight: 8.4 kg (18 lbs)

Cable set, 2 x 10 m (33 ft), 70 mm² Weight: 16.8 kg (37 lbs)

Cable set, $2 \times 15 \text{ m}$ (49 ft), 95 mm^2

Weight: 29.4 kg (65 lbs)

TM200

External timer
See the TM200 product pages for more information

Specifications CSU600A/AT

Specifications are valid at nominal input voltage and an ambient temperature of +25°C, (77°F). Specifications are subject to change without notice.

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Environment		
Application field	The instrument is intended for use in high-voltage substations and industrial environments.	
Temperature		
Operating	0°C to +50°C (32°F to +122°F)	
Storage & trans- port	-40°C to +70°C (-40°F to +158°F)	
Humidity	5% – 95% RH, non-condensing	
CE-marking		
LVD	Low Voltage Directive 73/23/ EEC am. by 93/68/EEC	
EMC	EMC Directive 89/336/EEC am. by 91/263/EEC, 92/31/EEC and 93/68/EEC	
General		
Mains voltage	115 or 230 V AC, 50/60 Hz	
Power consumption (max)	115 V, 667 VA cont. (interm. 3738 VA) 230 V, 851 VA cont. (interm. 6440 VA)	
Protection	Thermal cut-outs and miniature circuit breakers	
Dimensions		
Instrument	356 x 203 x 241 mm (14.0" x 8.0" x 9.5")	
Transport case	610 x 290 x 360 mm (24.0" x 11.4" x 14.2")	
Weight	21.9 kg (48 lbs) 38.3 kg (84.4 lbs) with accessories and carrying case	
Current cables	2 x 5 m (16 ft), 50 mm²	

Amm	otor	Ruilt_in ∩	- 600 A lonly of	n CSLIGNOAT	
Ammeter			Built-in, 0 – 600 A (only on CSU600AT) Output for external ammeter		
Current transformer		500/5 A, class 0.5			
	nly CSU600	, .	1033 0.3		
Range			0-999.999 s		
Resolution		1 ms			
Inaccuracy		±0.02% of shown value + 0 to 2 ms			
Other		Output for	Output for starting external timer		
Outputs	, AC, interm	ittent outp	ut 1) (CAT I)		
•	115 V mains	115 V mains voltage		230 V mains voltage	
Current	Load time	Minimum output voltage	Load time	Minimum output voltage	
0 A	Cont.	6.0 V	Cont.	9.5 V	
75 A	-	-	Cont.	9.3 V	
100 A	Cont	5.6 V	1 h	9.0 V	
200 A	15 min	5.3 V	5 min	8.5 V	
300 A	1.5 min	4.9 V	2 min	8.0 V	
400 A	1 min	4.6 V	1 min	7.5 V	
500 A	20 s	4.2 V	30 s	7.0 V	
600 A	15 s	3.9 V	20 s	6.5 V	
1) Maximum lo	oad time from cold s	tate 25°C (77°F). No	t valid for repeated t	ests.	
Maximu	m cable len	gths at 600	Α		
115 V mains		2 x 5 m (1	2 x 5 m (16 ft), 70 mm²		
230 V mains		2 x 10 m (2 x 5 m (16 ft), 50 mm ² 2 x 10 m (33 ft), 70 mm ² 2 x 15 m (49 ft), 95 mm ²		

Ordering information CSU600A	Art.No.
Complete with: Cable set GA-05052 Transport case GD-00182	
115 V Mains voltage	BF-11190
230 V Mains voltage	BF-12290
CSU600AT	
Complete with: Cable set GA-05052 Transport case GD-00182	
115 V Mains voltage	BF-21190
230 V Mains voltage	BF-22290
Optional accessories	
Cable set 5 m (for 115 V)	GA-07052
Cable set 10 m	GA-07102
Cable set 15 m	GA-09152
TM200	BE-29090



Cable set GA-05052

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OUR COMMITMENT TO YOU

A wealth of knowledge and experience.

You can take advantage of expert advice to ensure you get the best, most appropriate and cost effective equipment for the job. We supply a wide variety of industries, so if there is another way to do the job or save you time and money we'll pass on the benefit of our experience for free.

Honest advice, just a phone call away.

If we don't have a particular item, rather than hiring you something that won't do the job, we would rather direct you to an alternative supplier. You will always be provided with full instructions and if you still need help, call our technical team on Nationwide Low Call 0333 6000 600. Our aim is to save you time, frustration and money.

Top quality equipment from major manufacturers.

With Inlec you'll get the most accurate, reliable and well-maintained equipment available. Prices are regularly reviewed to ensure you always enjoy the best value for money. We have made a significant investment in test equipment so we ensure that it's well packed to minimise damage and delay.

We really do listen to you.

You won't waste your time contacting Inlec. Every request for equipment is logged and carefully considered. Listening to our customers helps keep our product range up to date and relevant. If you are unhappy about any aspect of our service please let us know so we can put it right.

YOUR 5 WAY GUARANTEE

1 GUARANTEE SAME DAY DESPATCH

We understand why prompt delivery is important to you. So, if we confirm your order before 3pm, you are guaranteed same day despatch.

OUR PRICE GUARANTEE

Inlec guarantee you real value for money. Our price match policy is simple - if you can hire the same product for less elsewhere, we guarantee to match that price and reduce it by a further 10% of the difference - and still deliver our industry leading technical and customer support.

For full details check our price-match quarantee online

3 TOP QUALITY GUARANTEED

All equipment is thoroughly checked prior to dispatch to ensure you receive it in full, safe working order. Your shipment will be securely packed and include manufacturer's instructions, accessories or consumables and a valid calibration certificate where appropriate. In addition, Inlec offer a 24 hour replacement service if you decide the equipment is not suitable for your application*.

FRIENDLY, KNOWLEDGEABLE ADVICE GUARANTEED

Inlec are happy to provide you with free advice, from anunbeatable team of experienced, knowledgeable and friendly engineers and hire experts.

9 YOUR GUARANTEE OF THE BEST CUSTOMER SERVICE

Throughout your hire we will work hard to ensure you enjoy the very best in support and service from Inlec. We guarantee you won't find better service anywhere in the industry.

*subject to availability and conditions

Europe's leading Test Equipment Hire Specialist









