

PRIMARY CURRENT INJECTION SETS



APPLICATION

Protective devices such as relays, overload Coils, Circuit breakers and CTs etc. Must be checked regularly to ensure that they are always ready to operate correctly. If a fault occurs in the equipment which they are protecting the system, Routine current injection testing will quickly detect faulty or incorrectly adjusted protection circuits / devices & will be possible to prevent serious damage to the system.

Current injection testing will check that the protective circuits / devices function correctly. It is usually necessary measure the operating time. Micro controller based time interval meter can be equipped with the current injection sets. Current injection sets are designed to deliver low impedance with a controlled & measured heavy current. This literature describes only the typical range of current injection sets. Instruments of different outputs can be supplied as per requirement.

FEATURES

- ★ Built - in micro controller based time interval meter can be provided.
- ★ Panel with easy & clear to read legends.
- ★ Continuously variable output.
- ★ Digital / Analog Ammeters.
- ★ Auto cutoff & output isolated.
- ★ Fully portable, table top models.

Supply Voltage	230V AC, 1phase, 50Hz.
Indications	Mains ON, Output ON, Output OFF.
Operation	Contacter controlled push button for output ON/OFF.
Protection	Fuse / MCB. Over current trip protection.
Termination	The outputs are brought out on the suitable bus bars.

The primary current injection testing checks all parts of the protection system by injecting current down the cable / bus bars. The application of the primary current injection sets is to ascertain the current carrying capacity of any Conductor, insulator, connector or calibration of CTs / bi-metallic relays etc. These sets are available in single phase / two phase or three phase versions.

PRIMARY CURRENT INJECTION SETS

Model	Output Current AC				Metering
AEP - 1	1000 A / 2V	500 A / 4V	250A / 8V		a) Digital ammeter OR b) Analog ammeter
AEP - 2	1000 A / 5V	500 A / 10V	250A / 20V		
AEP - 3	2000 A / 2V	1000 A / 4V	500A / 8V	250A / 16V	
AEP - 4	2000 A / 4V	1000 A / 8V	500A / 16V	250A / 32V	
AEP - 5	3000 A / 2V	1500 A / 4V	750A / 8V		
AEP - 6	4000 A / 2V	2000 A / 4V	1000A / 8V		
AEP - 7	5000 A / 2V	2500 A / 4V	1250A / 8V		

Primary injection sets with time interval meter are available.

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Note : The above data is subject to change without notice due to continues development

