



# INA 6501 MANUAL STEP TRANSFORMER



- Integrated function unit to NSG 3000 system
- Power line dips to 0%, 40%, 70% and 80%
- Complies with IEC/EN 61000-4-11
- Robust design with industrial grade connectors

The step-transformer type INA 6501 is a standard accessory for the Teseq's NSG 3000 instrumentation series. It provides a convenient means of reducing the incoming supply voltage by pre-set amounts. It is required for power quality testing (PQT) as per IEC/EN 61000-4-11 for voltage dips and under-voltages.

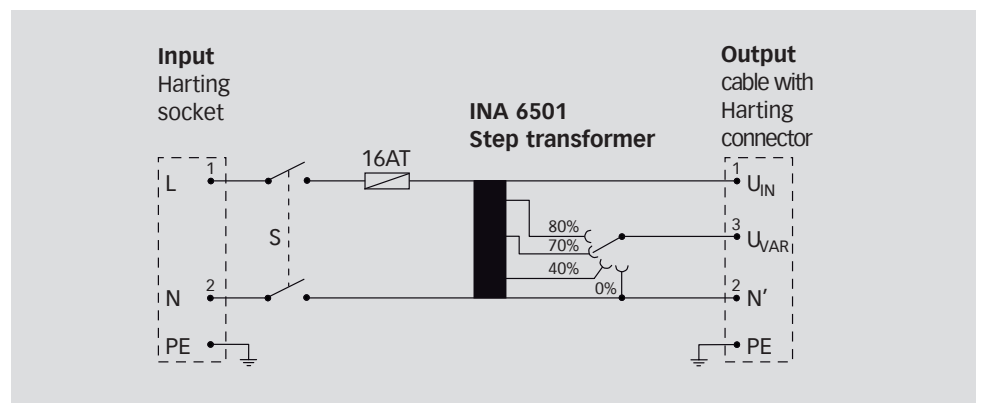
It is fitted with carrying handles as part of its overall excellent ergonomic design, which allows easy handling. Further, the unit may be used in any of three operating positions; laying or standing on a workbench. For more permanent applications, it can be even wall-mounted.

The few control elements are readily accessible on the front panel. An EUT power on/off switch with a power on indicator and a well-proportioned rotary switch to select the required voltage ensure easy and intuitive operation.

The unit has been designed for use in rugged industrial environments. Robust connectors ensure user safety, additional system protection is provided by a 16 A fuse located in the front panel.

Thanks to the provision of an 80% voltage position and to the large overcurrent capabilities the step transformer is fully compliant with the latest requirements called for in the latest edition of IEC/EN 61000-4-11 standard.

### Block diagram



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## Technical specifications:

Input voltage UIN:	Up to 250 VAC, 50/60 Hz (not suited for DC voltages)
Output voltage UVAR:	4 steps: 0% - 40% - 70% - 80% of UIN
Accuracy:	±5%
Voltage change with load:	100% output, 0 to 16 A    less than 5% 80% output, 0 to 20 A    less than 5% 70% output, 0 to 23 A    less than 5% 40% output, 0 to 40 A    less than 5%
Output current capability at 230 V input voltage:	16 Arms at 100% output 20 Arms at 80% output, for 5 s 23 Arms at 70% output, for 3 s 40 Arms at 40% output, for 3 s
Voltage selection:	Front panel rotary switch
EUT power ON/OFF function:	Front panel switch with power ON indicator
Fuse:	16 A, slow-blow
Connectors:	Harting type HAN3A, compatible with NSG 3000 safe power linking concept
Dimensions L x W x H:	360 x 180 x 150 mm (14.2 x 7.1 x 5.9")
Weight:	12 kg (26.5 lbs) approx.
Cable length to Modula:	2 m (79")
Input cable:	NSG 3000 standard cable to be used

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