

Power Supply for a floating filament NTN 100M - 12,5

Type:



F.u.G. Elektronik GmbH

Florianstr. 2
D - 83024 Rosenheim

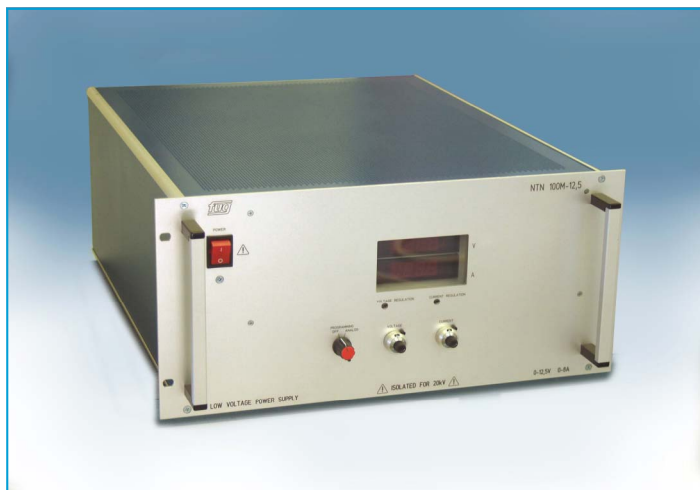
**Low and High Voltage
Power Supplies**

DIN EN ISO 9001

Tel. : +49(0)8031 2851-0
Fax : +49(0)8031 81099

eMail:
info@fug-elektronik.de

Internet:
<http://www.fug-elektronik.de>



Special Features

- Output isolated against case and mains input up to 20kV
- Control via isolated analogue programming or local potentiometers
- Electronics floating on high voltage, access via isolating axes and isolating window

Displays

3½ digit displays for voltage and current visible through isolating window

Control

Ten turn potentiometers for voltage and current with isolating axes

External Control

Analogue programming (0 - 10V) with fiber optical isolation

Technical data

Mains supply: 230 V $\pm 10\%$, 47 - 53 Hz

Output: 0 - 12,5 V; 0 - 8 A,

Output isolation: 20kV

Stability of voltage and current regulation:
 $\pm 1 \times 10^{-4}$ of max. value

Residual ripple: < 1% p - p

Design

19" rack, 550mm (5HU) high, 350mm deep

Application

This unit is part of a high voltage system of an electron beam ion trap and delivers a stable supply of a heating filament.

August 2006