



## PSC 44 M

### POWER SUPPLY CONTROLLER

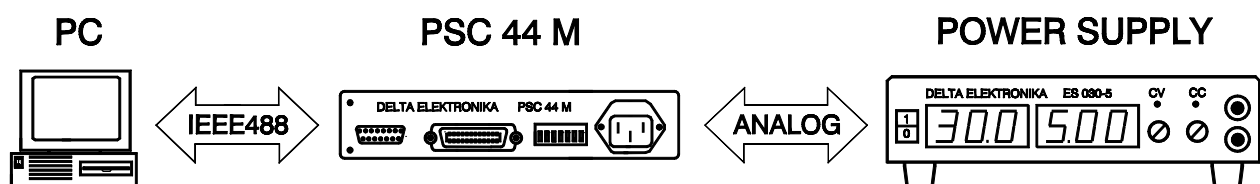
### IEEE 488 BUS COMPATIBLE

#### Features

- The PSC 44 M is an IEEE 488 interface designed for an analog programmable supply
- Voltage and current programming, voltage and current monitor read-back
- Logic signals to read the power supply's status
- Up to 15 power supplies with PSC 44 M can be connected to only one IEEE 488 BUS

#### Programming

Programming can easily be done with text strings. With a list of only 13 short commands the interface can be controlled.



*External connection between computer and analog programmable power supply.*

## Computer interface

Bustype : IEEE 488 / IEC625.

## Connectors

To PC : GPIB.  
To supply : D15.  
To next PSC : stackable.

## Specifications

**Analog outputs** : 0 - 5 V or 0 - 10 V.  
Range adjustment : +/- 5%.  
Offset adjustment : +/- 100 mV.  
Accuracy : 0.05% after calibration.  
Resolution : 12 bit.  
Linearity error : 3/4 LSB.  
TC typical : 50 ppm / °C.

**Analog inputs** : 0 - 5 V or 0 - 10 V.  
Accuracy : 0.2%.  
Linearity error : 2 LSB.  
TC typical : 100 ppm / °C.

## Isolation

Analog inputs and outputs have a common zero.  
Isolation to case and BUS is 1000 VDC.

## Logic signals

2 x Logic read back : LIM / OVP, CC.

## LINE INPUT:

99 - 132 Vac, 48-62 Hz  
198 - 264 Vac, 48-62 Hz.

## Ambient temperature

Operating 0 - 55°C.

## Dimensions and weight

h x w x d = 42 x 208 x 208mm, 1.7 kg.

**Enclosure:** : IP20.

## Accessories

Following is supplied with the PSC 44 M:

- Analog cable 15M/15F 0.6m.
- 3.5 inch diskette with software examples.
- 15p D-connector.
- Line cord.
- Manual.

## EMC

- EN 50081-1.
- EN 50082-1.

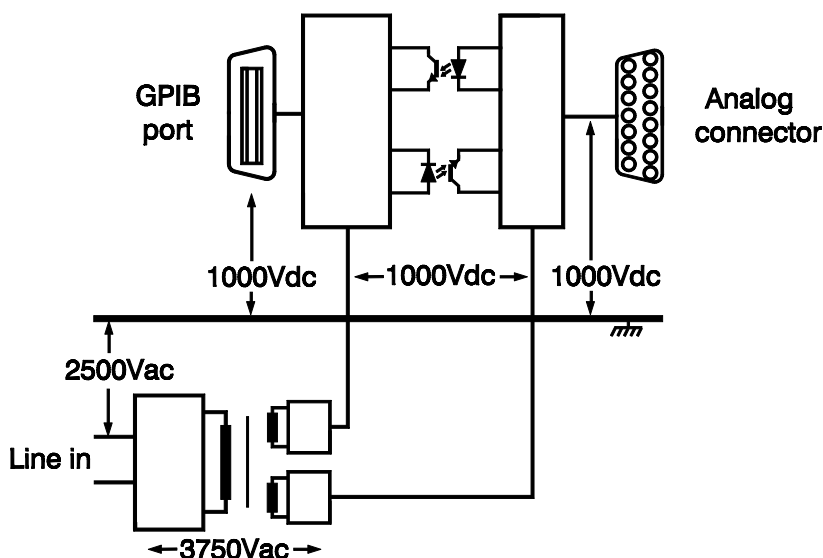
*Specifications are measured at an ambient temperature of 25 °C ± 5 °C unless otherwise noted.*

*Output accuracy, non-linearity and temperature coefficient have to be added to the specifications of the power supply.*

## Optional

For **19" rack mounting**, different RA 19 panels can be ordered.  
For example the RA19 - ESP for a combination of a PSC and an ES 030-05.

## Isolation



*Isolation voltages between the various connectors, the input and case.*