

# Systemcontroller SC 600

digimess® compact

Order No.: H.UC 80-00



Do you wish to set up a wide array of automatic test systems? Do you need PC-based measuring technology without having to dismantle your tower PC? Do you require readily available slots and PC-based measuring technology on a laptop as well? Do you want to use up to six test and measuring instruments with one RS 232 interface, have cascading options and complete optical isolation of every RS 232 input/output? This is absolutely essential for sophisticated test and measuring systems without distorting ground loops, as every test technician will readily confirm. All these are features of the digimess® system controller SC 600 which allows you to carry out PC-assisted test and measuring in the very simplest manner. Designed as a digimess® system accessory the SC 600 can also be used as an "interface switcher", for interaction with other suppliers' equipment. This is made possible by a universal set of commands. However, it is only

when combined with test and measuring instruments of the digimess® range and the "Soft Workshop" system software that the SC 600's additional features are revealed. These include automatic recognition of the other connected instrument(s), automatic recognition of the individually set baud rate and time-optimized data transfer. Plug and play is not just an empty promise. The SC 600 has been designed on the basis of PLD technology and, like all the instruments of the Grundig digimess® range, it is controlled by a microprocessor, resulting in a compact design, self-diagnosis and complete remote control capabilities via the standard RS 232 C interface. The SC 600 is the answer to many of the requirements which industry has had for a long time. Its excellent value for money ensures that the SC 600 will find wide application in the fields of development, production, service and training. The SC 600 system controller is a must for every test bench.

## Technical Data

### General Data

Nominal temperature	+23 °C ± 2 °C
Operating temperature	+5 °C ... +40 °C
Relative humidity	20% ... 80%
Atmospheric pressure	70,000 Pa ... 106,000 Pa
Operating position	horizontal or inclined by ± 15°
Operating voltage	sinusoidal alternating voltage (harmonic distortion < 5%) 230 V or 115 V (+10%, -15%), internal switchable 47 ... 63 Hz
Power consumption	15 VA (max. 15 W)
Fuses	T 80 L 250 V - (230) V T 160 L 250 V - (115) V
Safety class	I according to EN 61010-1 (DIN VDE 0411 Part 1 11/93)
Radio interference suppression	EN 55011 Class B, VDE 0871 Class B
Dimensions (in mm)	225 x 85 x 200 (L x H x D)
Dimensions of packing (in mm)	315 x 115 x 270 (W x H x D)
Weight of SC 600	approx. 1.5 kg
Weight of SC 600 incl. packaging	approx. 2.5 kg

### Specifications

#### Serial Interface COM 0

Interface-Connector male	25-Pin D-Sub
Data transmission rate	1200, 2400, 4800, 9600, 19200, 28800 or 38400 Bd
Length of data character	8 Bit
Number of STOP bits	1
Parity	none
Protocol	RTS/CTS or NONE
End characters on receiving	'LF' (10 dec.)
End characters on transmission	'CR' + 'LF' (13 dec. + 10 dec.)
Length of input buffer	4 kB
Length of output buffer	4 kB

#### Serial Interfaces COM 1 ... COM 6

Interface connector male	9-Pin D-Sub
Data transmission rate	110, 150, 300, 600, 1200, 2400, 4800, 9600 oder 19200 Bd
Length of data character	5, 6, 7 or 8 Bit
Number of STOP bits	1, 2 (1.5)
Parity	none, odd, even
Protocoll	RTS/CTS or NONE
Length of input buffer	4 kB
Length of output buffer	4 kB

## Interface/Remote control

All serial Communication Ports are optical isolated!