



Cert. No. LRQ 0963008

ISO 9001

spirax/sarco

TI-P403-41

AB Issue 3

DS1000 Digital Display

Description

The Spirax Sarco DS1000 is connected in series with a 4-20 mA current loop to provide an LCD display, in engineering units, of the process variable represented by the current flow.

It has many uses for level, conductivity, temperature, or pressure indication. A specific application example is to provide a remote display of TDS for Spirax Sarco TDS blowdown controllers. It is supplied calibrated in percentage units to display 00.0 at 4 mA, and 100.0 at 20 mA. Jumper links and potentiometers on the back of the instrument allow it to be scaled in any engineering units if required. An aperture below the display shows the unit of measurement, and the special legend sheet supplied with the instrument enables alternative units of measurement to be selected if required.

The DS1000 is housed in a 96 x 48 mm DIN standard panel mounted case and has a 12.7 mm high 3½ digit LCD, with a selectable decimal point.

Because the instrument is loop powered it needs no external power supply. It requires less than 3 volts from the loop for operation.

Principal features:

- Loop powered 4-20 mA input.
- Pre-calibrated for percentage indication.
- Can be scaled for any engineering units.
- IP65 front panel seal.

Pressure/temperature limits

Maximum ambient temperature	50°C
Minimum ambient temperature	0°C

Safety information, installation and maintenance

For full details see the installation and maintenance instructions supplied with the product.

Installation note:

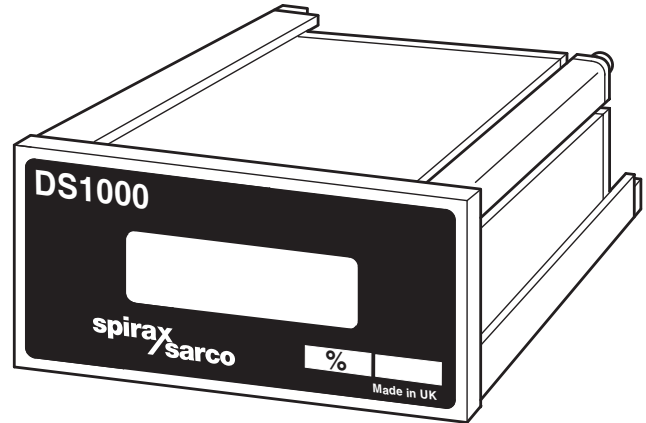
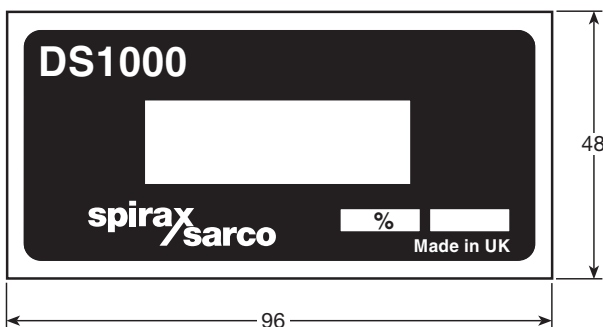
The DS1000 is fitted in a 92 x 44 mm aperture in the boiler panel. It should not be installed adjacent to switch gear, electromagnetic starters, contactors, thyristor power units, or motors.

Materials

Front bezel/back panel	Nylon 6-glass filled
Case	Aluminium

Dimensions (approximate) in millimetres

Panel cutout 92 x 44



Technical data (at 20°C)

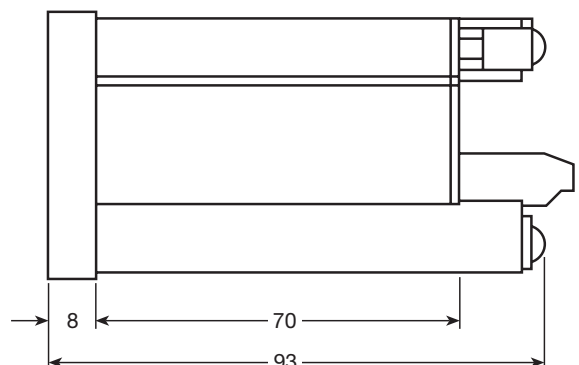
Input	4-20 mA 2 wire	
Display	12.7 mm high LCD 3½ digit	
Volt drop	<3 Volt	
Rangeability	Zero	±1 000 counts
	Span	200/2 000 counts
	Decimal point	Any position
	Accuracy	±1 count
	Sample rate	3 readings/second
	Fuse rating	63 mA (PCB mounted)
Protection rating	IP65 (Front panel only)	

How to specify

4-20 mA loop powered digital display with legend sheet.

How to order example

1 off Spirax Sarco DS1000 digital display.



Weight 200g