

SPC INTERFACE SOFTWARE AND CABLE (40-401)

2 metres Cable
Includes Foot Pedal

Used to transfer data from micrometer, verniers, digital indicators and other equipment. Software supplied with each cable.

MeasumaX



COMPUTER INTERFACE SOFTWARE

Measumax digital RS-232 option, allows for the interface of certain instruments with a computer using the RS232 port of a computer. A software program is then required (such as Microsoft Hyper Terminal) to arrange the data.

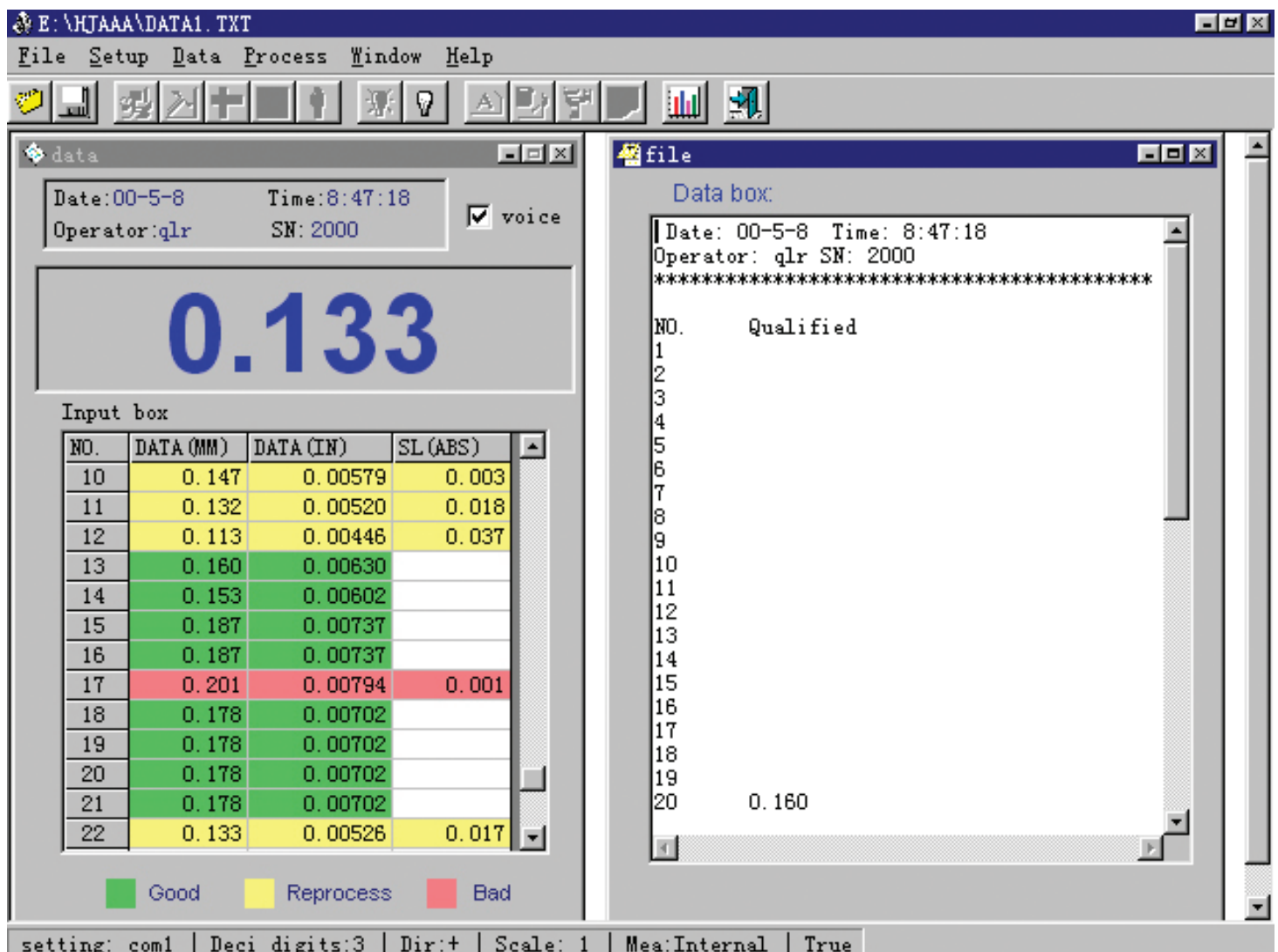
SYSTEM REQUIREMENTS

IBM system from Windows 95 to XP or Windows 2000

About the program

The Measumax SPC system is a fast and easy to use data transfer system, with statistical analysing for every quality control situation. It is designed to be used by both experts and novices alike.

Easy to use is one of the key features of the SPC data transfer system. With just a few clicks of the mouse you are ready to enter the data (Fig 1).



The screenshot displays the Measumax SPC software interface. The main window, titled 'E:\HTAAA\DATA1.TXT', has a menu bar (File, Setup, Data, Process, Window, Help) and a toolbar. It is divided into several panes:

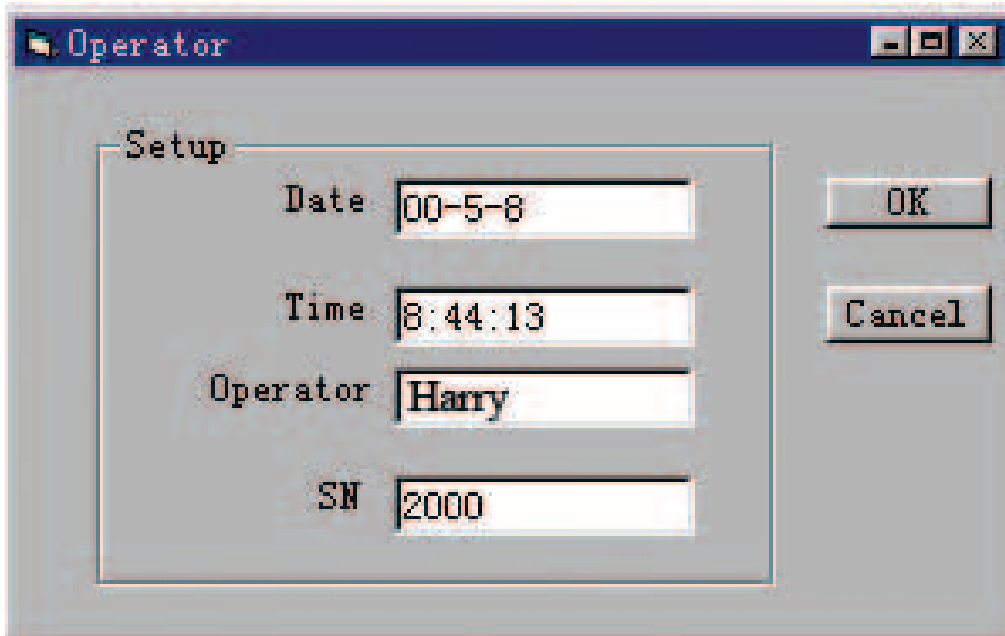
- data** pane: Shows 'Date:00-5-8', 'Time:8:47:18', 'Operator:qlr', 'SN:2000', and a 'voice' checkbox. A large digital display shows '0.133'.
- Input box**: A table with columns 'NO.', 'DATA (MM)', 'DATA (IN)', and 'SL (ABS)'. The table contains 22 rows of data, with row 17 highlighted in red (Bad) and others in green (Good) or yellow (Reprocess).
- file** pane: A 'Data box' containing the same date, time, operator, and SN information, followed by a list of 'NO.' and 'Qualified' data points, with '0.160' at the bottom.

At the bottom of the interface, a status bar shows: 'setting: com1 | Deci digits:3 | Dir:+ | Scale: 1 | Mea:Internal | True'.

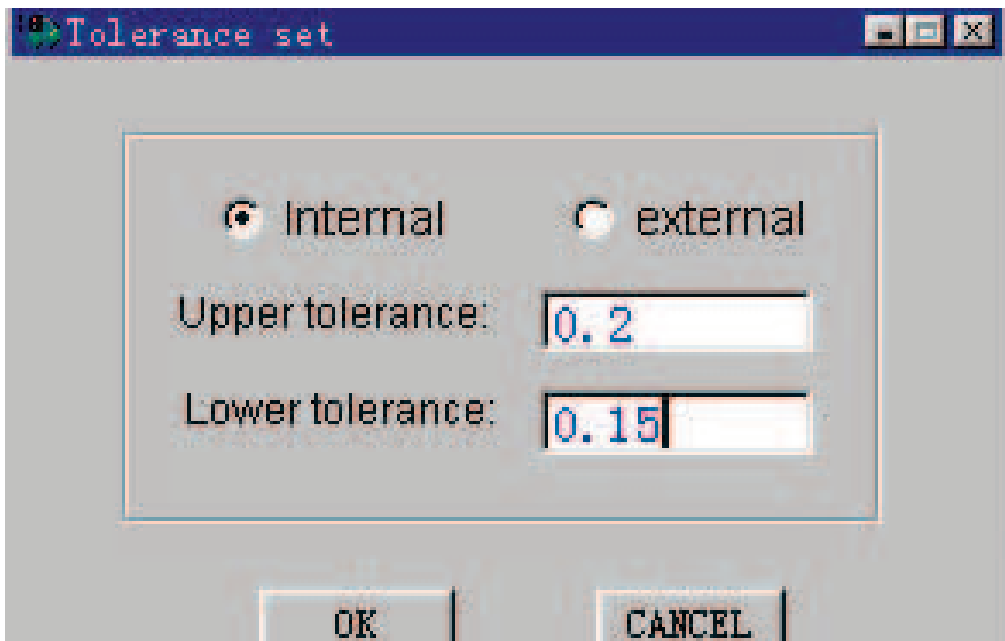
NO.	DATA (MM)	DATA (IN)	SL (ABS)
10	0.147	0.00579	0.003
11	0.132	0.00520	0.018
12	0.113	0.00446	0.037
13	0.160	0.00630	
14	0.153	0.00602	
15	0.187	0.00737	
16	0.187	0.00737	
17	0.201	0.00794	0.001
18	0.178	0.00702	
19	0.178	0.00702	
20	0.178	0.00702	
21	0.178	0.00702	
22	0.133	0.00526	0.017

(Fig 1)

The program allows you to record the name of the operator, the serial number of the instrument and the date and time the readings took place (Fig 2). Also, you can enter an upper and lower limit for the audible warning and recording of the data entered to the tolerance set (Fig 3).

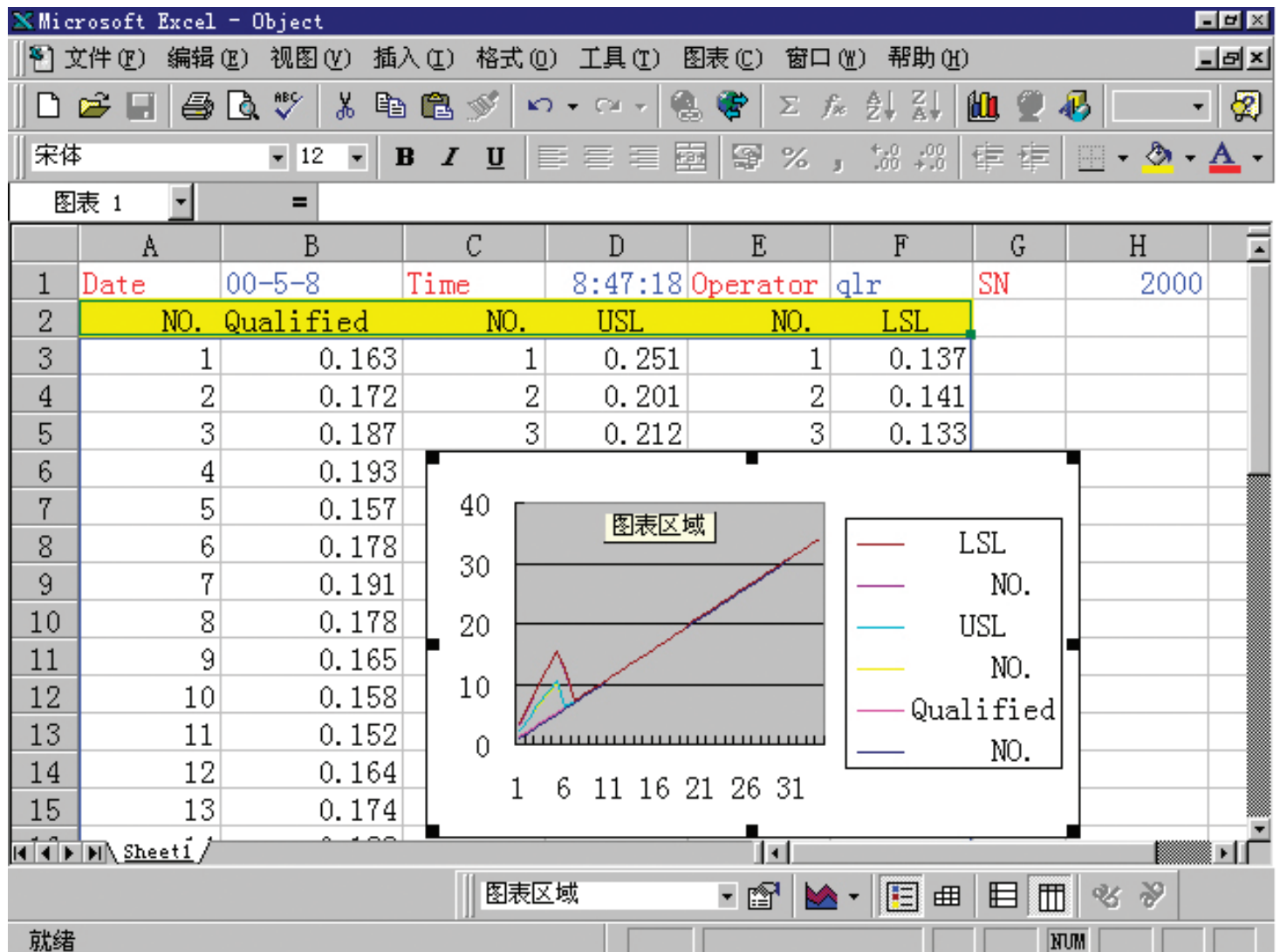


(Fig 2)



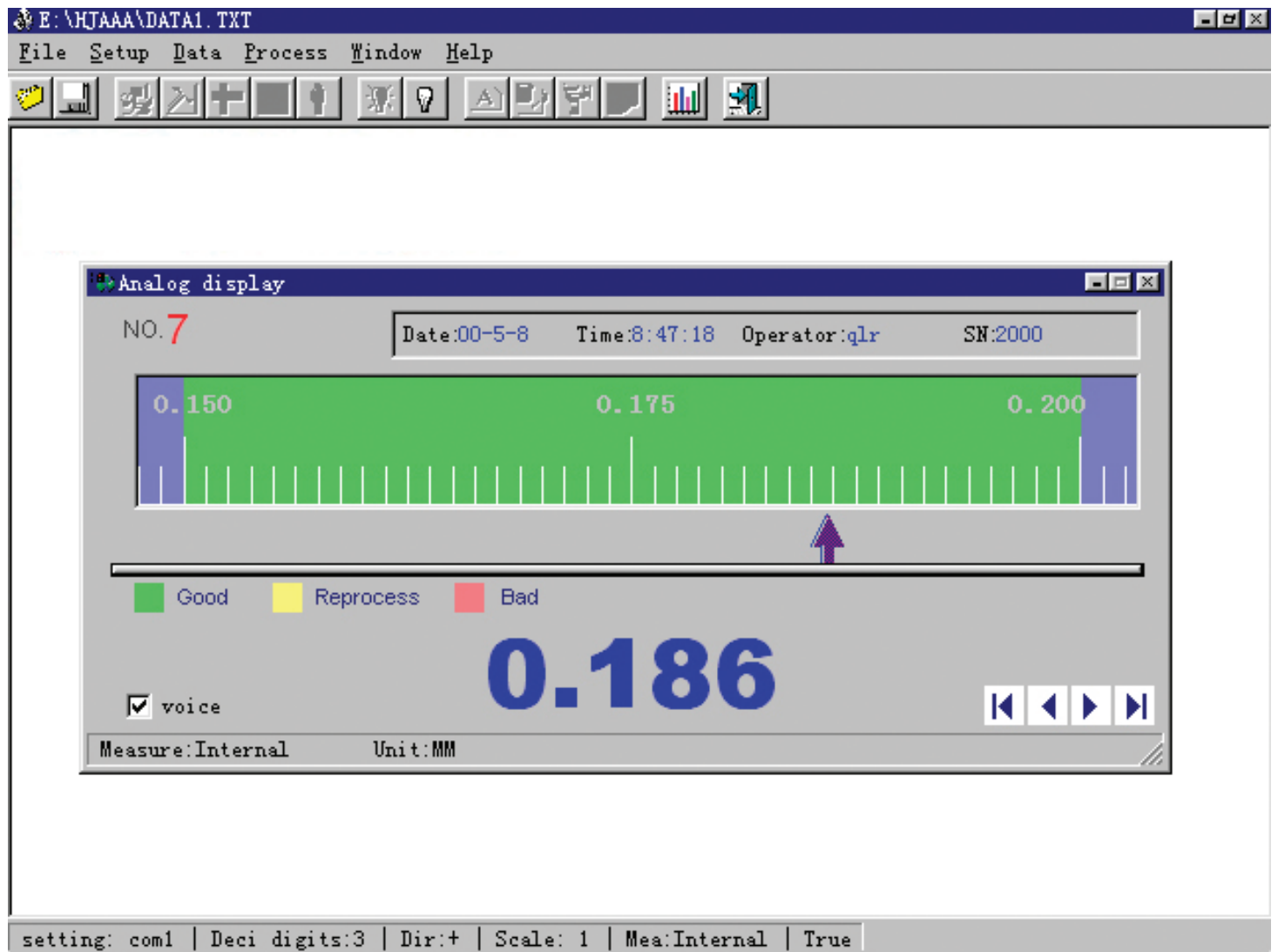
(Fig 3)

A click of the mouse then transfers the data to an Excel spreadsheet (Fig 4) and lists the results of those that qualified, those over the upper limit that need to be reworked, and those under the lower limit that will need to be rejected. In Excel the data can be transformed into graphs or other details for analysis.



(Fig 4)

In quality control situations where quick checking is required, a screen can be set showing a needle recording the data between the upper and lower limit for easy checking (Fig 5).



(Fig 5)

Suits:

Q140, Q141, Q166, Q167, Q239, Q240, Q241, Q244, Q245, Q246