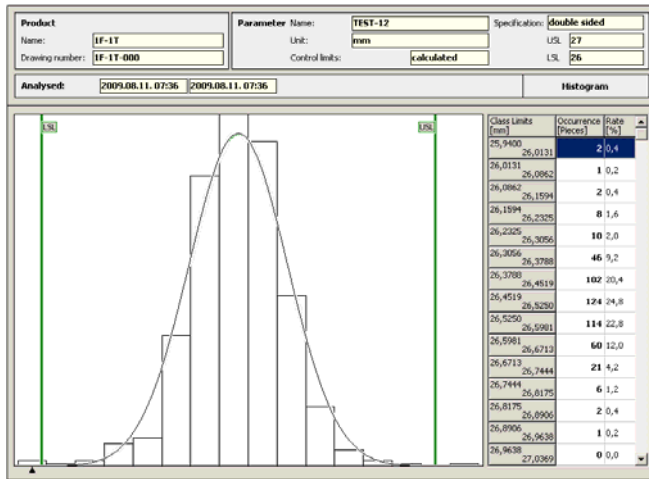


Direct data input



Program supports direct data input from **Mitutoyo Digimatic** gauges.



Program package contains the **HNS USBMUX** interface (with four channels) needed for direct data input.

Available configurations

HNS SPC^{ea}

	Free version	Single user version	Standard version	SQL version
	0 €	189 € / pcs	299 € / pcs	379 € / pcs
Gauge ¹ support	✓	✓	✓	✓
Quantity of the data ² is not limited		✓	✓	✓
More users can use the database together			✓	✓
In-built on-line upgrade		✓	✓	✓
User support			✓	✓
Using of SQL database is supported				✓

¹: support of direct data input from Digimatic gauges by using of HNS USBMUX interface, the interface is the part of the program package and also makes as hardware key for using the program excepting the free version.

²: limitation: maximum 4 products, maximum 8 parameters, maximum 10000 measured values.

Contact



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Do you need SPC program?

Do you want to take advantage of the cost reduction and increasing of efficiency provided by a quality assurance system supported with statistical tools or your customers require you to apply statistical tools?

Do you want to make this with low costs and without well-qualified, expensive quality specialists?



HNS SPC^{ea} program

is easy to use and can be put in practice with little previous knowledge nearly immediately*.

*: without external support, only with using the user's manual.

Introduction discount, SPC program and multiplexer for Digimatic gauges from 189 EUR!

If you purchase the program till **31st December 2009** the multiplexer for Digimatic gauges is gratis.

Our actual prices can be found on our homepage.

Download from our homepage and use the **free** version of the program!

www.hns.eu/spc

To whom is recommended for?

Mathematical-statistical method-based process control and quality control make up an important part of the means of company's quality assurance systems. This tool makes it possible to learn more about manufacturing processes and provide better handling, monitoring and controlling of them.

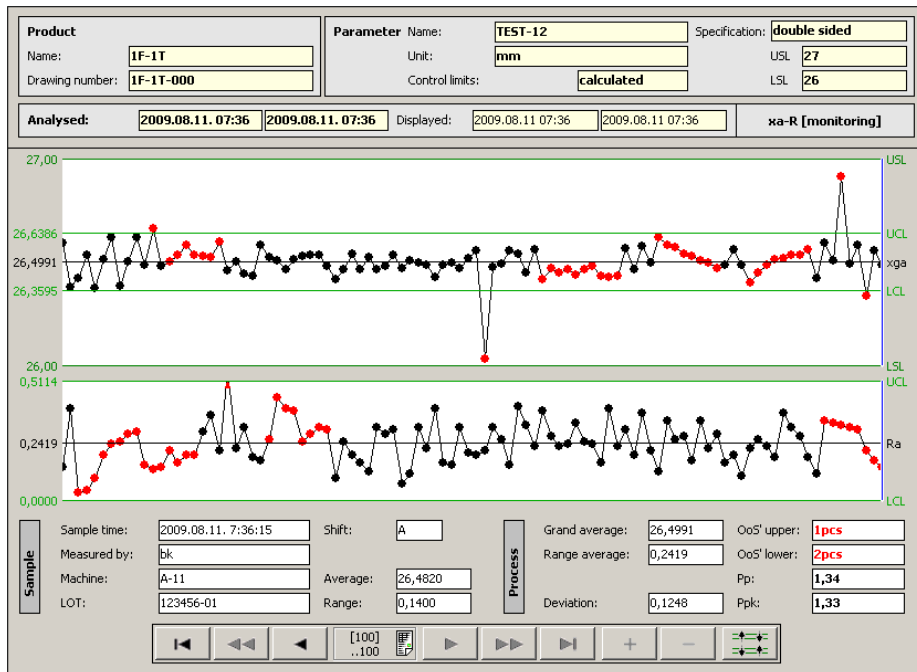
HNS SPCea program has been developed for the users, who

- are **obligated** by the customer to operate **SPC system** (automotive suppliers with ISO/TS 16949 certification),
- want to take advantage of the **SPC system** on the fields of the **quality assurance, cost reduction and increasing of efficiency,**

and need

- low cost** available and
- operable **without well-qualified, expensive quality specialists,**
- easy to use,**
- statistical tool**

because of the kind or the volume of the production, the simple manufacturing system structure, the low available budget and the straitened quality assurance capacity of them.



Main features

- Password-protected functions for the operators and engineers specially.
- Easy to use database, based on the measured parameter registration.
- Step-by-step data input procedure is supported visually.

The screenshot shows the data input screen in the HNS SPCea software. It features a table for measured values with columns for 'No.' and 'Measured value'. The table contains five rows of data: (1, 20,014), (2, 20,029), (3, 20,041), (4,), and (5,). To the right of the table is a vertical gauge with a green bar indicating the current value, 20,025. Below the gauge are 'Up' and 'Down' buttons. To the left of the gauge are 'Measure [F12]' and 'Save data' buttons. The interface also includes 'Previous' and 'Next' navigation buttons. The product information is '1F-1T' and the drawing number is '1F-1T-000'. The parameter is 'TEST-1' with unit 'mm' and specification 'LSL: 19.960 USL: 20.040'. The gauge is identified as 'HNS SMLUX (Digimatic)' with port 'COM1' and channel '1'. A small image of a hand holding a gauge is visible on the right side of the screen.

- Direct data input from Mitutoyo Digimatic gauges or data input by keyboard.
- Sample identifiers – operator, shift, machine and LOT ID –, filter options.
- Analysis for optional time ranges – histogram, value chart, control chart.
- Automatic Out of Control analysis.
- Capability index calculation for stable and non-stable processes.
- Quick and easy overview of the process states.
- Pareto analysis by the occurrence of the out-of-specification values.
- Data export and import possibility.
- Operable without database server, but also using of Microsoft SQL, Oracle and MySQL databases is supported.