



# DIATRON 6000



## **New Highlight: the electronic 4-channel measuring tool**

Color touch screen

Easy service

Touch screen technic

Analog-and Digitaldisplay

USB-Interface

Including Software for Programming  
and Management for PC

Documents in Excel or QS-Stat

# DIATRON 6000

## A new dimension for measuring tools.



The DIATRON 6000 is a 4-channel display unit (analogue and digital) with SPC capability for connecting up to 4 inductive probes. The colour LCD screen displays up to 4 characteristics with coloured bars (green = in tolerance; yellow = warning limits exceeded; red = out of tolerance) as well as the digital value. The DIATRON 6000 is suitable for the workshop as well as the testing lab. The touch screen enables easy and intuitive programming of the unit. Via a maximum of 5 buttons all functions can be engaged and programmed. Communication (programming and data transfer of measured values) with the PC takes place via USB interface (USB memory stick).

With the aid of the (PC) software supplied any amount of measuring programmes can be programmed and stored in the data base. If required these can be transferred to the DIATRON 6000. Measured values are converted into Microsoft Excel or QS-Stat format.

### Display

- 5,7" Colour touch screen with 320x240 pixel
- Only programmed attributes are displayed (e.g. if 2 attributes are programmed, only 2 analogue bars are shown)
- Display of measured values: Coloured bars (green = in tolerance; yellow = warning limits exceeded; red = out of tolerance)
- Range chart and histogram for each attribute
- Resolution 0,001 and 0,0001 mm
- Units: mm and inch

### Measuring tasks

- Internal measuring, external measuring, length measuring
- Dynamic measuring (maximum, minimum, ovality)
- Trigonometric functions (SIN, COS, TAN, ARCCOS, ARCTAN)
- Tolerances in form, position, wall thickness etc. by connecting probes (factors of max +/-20)

### Measuring frequency

- Adjustable 1 – 200 measurements per second
- Firmware update via USB interface

### Measuring range / preset

- Maximum range of probe +/- 1 mm
- Preset range +/-999.000

### Storage of values

- Maximum capacity of 8700 values per attribute with date and time:
- The measured value can be transferred to a computer via USB interface (USB memory stick).
- The software supplied converts the data to either Excel or QS-Stat format.
- The measured values remain in the DIATRON even without being connected to power:

### Interface

- 4 connectors for electronic probes (tesa compatible half-bridge)
- 12 V power supply
- Digital I/O (start/stop measuring; measured value in/out tolerance) for external control
- Foot switch
- 2 USB interfaces

### Measuring programmes

- Maximum of 6 programmes can be stored in the DIATRON 6000
- In the data base of the PC software any amount of programmes can be stored.



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