

Wireless Optional
e.g. for DIATRON1000



Measuring Column DIATRON2200



Connecting of 1,2, 4 or 8
HBT probes and radio module

Electronic column with 3-colour bar scale (red, yellow, green) and digital display. The column has an automatic function detecting the interface in use and informs the operator via the display. Programming of unit via the rotary-push switch on the front side or using software. The column can be equipped with modules for 1, 2, 4 or 8 inductive probes (HBT) or radio receiver. Connection of other measuring systems on request.

Measuring and indicating functions

Static measuring mode

Dynamic mode: Min, Max, Average, position tolerance, bore measuring mode with automatic function

Multi-plane measuring mode: Manual or automatic switching from 1...8 Measuring points

Range / Resolution: $\pm 3,0 \text{ mm}/0,1\mu\text{m} - 0,12/00001 \text{ inch}$ and $\pm 30 \text{ mm}/1\mu\text{m}$,
 $1,2/0,0001 \text{ inch}$ for inductive probes ; 24 bit incremental measuring systems

Measuring unit: mm and inch

2-digit display: Measuring point number (C1...C8); measuring input (P1...P8)
 Basic setting menu (L0...L9)

Display Range of 6-digit display:

Relative measurements: $\pm 9.999\text{mm}/\pm 99.999 \text{ mm}$, $\pm .99999 \text{ inch}/\pm 9.9999 \text{ inch}$
 Absolute measurements: $0...99.9999\text{mm}/0...999.999 \text{ mm}$, $0...9.99999 \text{ inch}/0...99.9999 \text{ inch}$
 Selection groups: 1...30

Range of bar scale:

$\pm 5,0000 \text{ mm}/\pm 0,50000''$
 $\pm 1,5000 \text{ mm}/\pm 0,15000''$
 $\pm 0,5000 \text{ mm}/\pm 0,05000''$
 $\pm 0,1500 \text{ mm}/\pm 0,01500''$
 $\pm 0,0500 \text{ mm}/\pm 0,00500''$
 $\pm 0,0150 \text{ mm}/\pm 0,00150''$
 $\pm 0,0050 \text{ mm}/\pm 0,00050''$

Bar scale in 3 colours (red, green and yellow) with automatic colour change in accordance with selected tolerance limits. A maximum of 4 tolerance limits can be programmed. The tolerance limits are shown as coloured marks in the bar scale.

Mechanical Characteristics

Housing: Aluminium anodised, plastic top and bottom parts
 Foot plate: Aluminium powder-coated
 Front plate: Acrylic glass
 Operating element: Rotary-push switch
 Dimensions: Width x height x depth: 56 x 418,5 x 86 mm / approx. 1400 g (incl. foot plate)

Electrical Characteristics

Power supply: 100...240VAC, 45...60 Hz
 Maximum power input: 2,5 VA (without measuring modules)

Display

Bar graph display: Chart with 103 + 2 LED's for exceedance of range, 3 coloured, with automatic colour change (displayable tolerance markings)
 Digit display: 6-digit and 2-digit LED display: 7,62 mm, red
 Modus, unit, programmable menu display: 17 LED's red

Connection

Interface RS232: 9-pin SUB-D plug, hardware EIA RS232 standard; data format according to OPTO RS232
 2 x Trigger output/tolerance output (Ft 1/Ft2): trigger output for external contacts and serial output for control signal adaptor

Measuring Data

Resolution: 16 bit (analogue), 24 bit (incremental measuring systems)
 Measuring rate: 50 measurements/second

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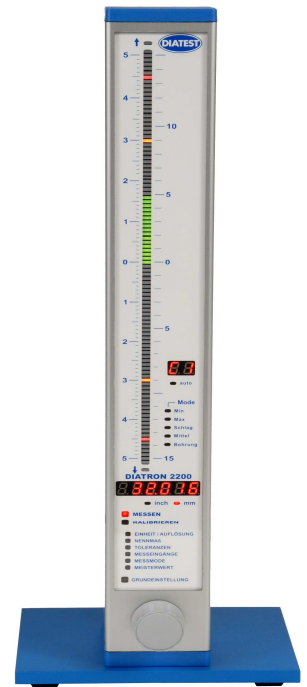
Receiver module for reception of measured data via real radio transmission according to industrial standard.
 Operating distance indoors up to 20 metres. High data security for transmission and reception

Environment conditions

Working environment temperature: 0...45°C
 Storage temperature: -20...+ 60°C
 Protection category: Front side IP65 (CEI/IEC 529)
 Rear side depending on measuring module

Electromagnetic compatibility (EMC)

Transient emissions according to EN50081-2; Interference resistance according to EN50082-2



DIATEST
 H. Kötgen GmbH
 Schottener Weg 6
 D-64289 Darmstadt
 Tel: +49-6151-979-0
 Fax: +49-6151-979-111
 E-Mail: info@diatest.com
 Internet: www.diatest.com
 Germany

