

Digital Coordinate Measuring Instruments

Standard models

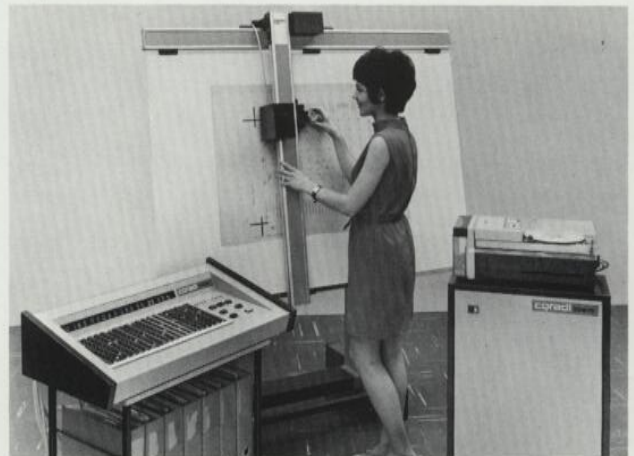


Type DMC Orthogonal DIGIMETER

Electronic coordinate measuring instrument with a precision coordinatograph as measuring table. For the mensuration and digitalization of graphical representations of all kinds to permit subsequent evaluation by computer, and for the preparation of programmes for numerically-controlled machine tools, printed circuit board drilling machines and drafting machines. Data output as orthogonal XY coordinates on punched cards, punched tape or magnetic tape. Operating accuracy along the X and Y axes: ± 0.04 mm/m. Digital resolution capacity 0.01 mm or 0.001 inch. Various table sizes available.

Type DMR DIGIRAIL

Electronic coordinate measuring instrument with rail-carriage drafting machine as scanning unit. Drafting table infinitely adjustable between vertical and horizontal. Similar applications as for Type DMC for tasks not demanding the high precision of a coordinatograph. Data output in orthogonal XY coordinates on punched cards, punched tape or magnetic tape. Operating accuracy along the X and Y axes: ± 0.2 mm/m. Digital resolution capacity 0.01 mm or 0.001 inch. Various table sizes available.



Type DMB Polar DIGIMETER

Electronic coordinate measuring instrument with high-precision portable mensuration head. The easily-controlled mobile tracing lens permits the rapid, effortless pick-up of the points to be measured. The instrument is especially suitable for the rapid acquisition of coordinate figures for area computation purposes, e.g. for the reallocation of land parcels. Data output is in polar coordinates (r and φ) on to punched cards, punched tape or magnetic tape. Operating accuracy: radial, ± 0.03 mm; angular, $\pm 0.01^\circ$. Digital resolution capacity: radial, 0.01 mm, angular 0.0036° .

Please ask for our detailed literature.

For special versions, see reverse.

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Special versions



Type DMC DIGIMETER with installed TV-display

The DMC model can be fitted with an industrial TV installation in place of the tracing lens or episcopes. The big 19-inch, 625-line monitor picture produced by the 5.5 mcs. bandwidth of the transmission system permits fatigue-free viewing at optimum picture resolution. The camera is fitted with a zoom object lens permitting magnifications of 8x to 36x to be set, thus allowing the field of vision to be adapted to the particular task in hand.

Coordinate measuring instrument with desk computer connections

All our coordinate measuring instruments can be connected to various desk computers by means of an interface unit. This permits the evaluation of measurements immediately after they have been made and the production of a printout showing measurements and results together in clear text. The advantages of this are immediate evaluation and checking facilities and independence of internal or external data processing installations.



Coordinatograph with luminous coordinate display

If the recording of measurements is unnecessary, the coordinate measuring instrument can be fitted with luminous display for the X and Y coordinates only. Both pure forwards/reverse counter models and counters with facilities for preselection of given figures, with decade setting switches, are available. Indication is optionally in 1/100 mm or 1/1000 inch.

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