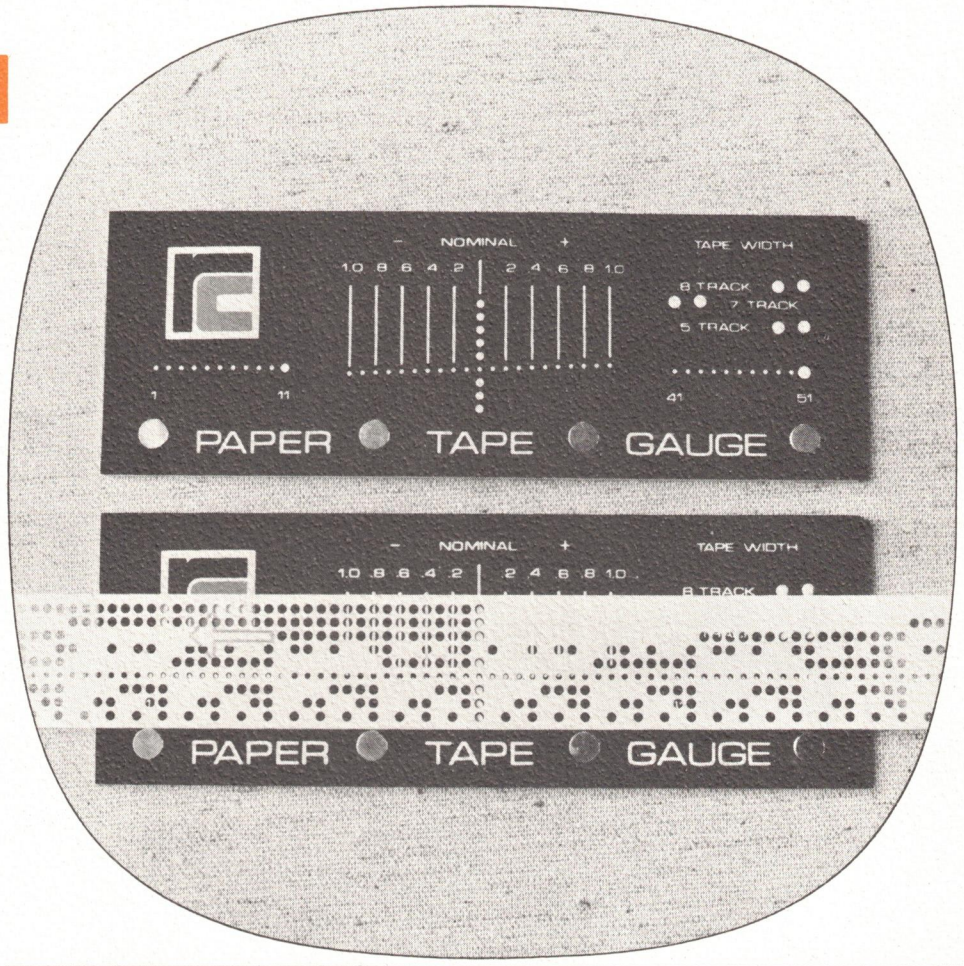
SALES DIVISION



THE RC PAPER TAPE GAUGE

The RC Paper Tape Gauge provides quick, easy, and accurate checking of 5,7, and 8 track paper tapes. Checks include tape width, transversal position and alignment, and longitudinal spacing. The gauge conforms to such standards as DIN, ISO, ECMA, USAS, and BS.

Tape Width
The gauge checks whether tape width is within the tolerances allowed.

Longitudinal Spacing
The gauge checks whether longitudinal deviation for 10 and 50 spaces is within the tolerances allowed.

Transversal Position and Alignment
The gauge checks the relation of feed holes to code holes and reference edge, indicating deviations of incorrect tapes in tenths of a millimeter.

Size: 52x148x2 mm **Weight:** 25 gr

How to use the RC Paper Tape Gauge

Tape Width

This check indicates whether the width of a 5 track tape is within 17.40 ± 0.08 mm, a 7 track tape within 22.22 ± 0.08 mm, and an 8 track tape within 25.40 ± 0.08 mm.
Press the reference edge of the tape gently against the four tape guides.
A correct tape must touch one of the tolerance spots for 5,7, or 8 track tape but not the other. If the tape touches neither spot, it is too narrow, i.e. outside the minus tolerance. If the tape touches both spots, it is too wide, i.e. outside the plus tolerance.

Transversal Position of Feed Holes

This check indicates the position of the feed holes in accordance with the reference edge (9.96 ± 0.10 mm).
Press the reference edge gently against the four tape guides.
By moving the tape sideways, find the spot in the line from - 1.0 via NOMINAL to + 1.0 that is in the center of a feed hole. The selected spot indicates the position of the feed holes in accordance with the reference edge. Deviations from the nominal distance (9.96 mm) are indicated for each tenth of a millimeter.
A correct tape must correspond to one of the three spots marked - 0.1 mm, NOMINAL, or + 0.1 mm.

Transversal Alignment

This check is possible only if the Transversal Position of Feed Holes is correct.
One can check whether the angle of the reference edge and the row of code holes is a right angle, whether the distance between code holes and feed holes is n x 2.54 mm, and whether the alignment of the row is correct.
Press the reference edge gently against the four tape guides.
By moving the tape sideways, place the NOMINAL spot in the center of a feed hole. The row of code hole spots should now be in the center of the code holes, if the tape is correctly punched. No tolerances are indicated on the gauge.

Longitudinal Spacing

This check indicates the spacing between feed holes (2.54 mm) and cumulative spacing error tolerances after 10 spaces (± 0.25 mm) and after 50 spaces (± 0.65 mm).
Place the tape with spot 1 in the center of a feed hole. Align the tape in accordance with spots 1-10, NOMINAL, and spots 42-51. These spots should now be in the center of the feed holes. A slight deviation is allowed, but neither feed hole 11 nor feed hole 51 may exceed the limits of the corresponding tolerance spots.
If one of these two feed holes exceeds the left-hand side of the spot, the spacing is too short, i.e. outside the minus tolerance. If the right-hand side of the spot is exceeded, the spacing is too long, i.e. outside the plus tolerance.

Specifications for 5,7, and 8 Track Paper Tapes

A tape width (8 track)
A_1 tape width (7 track)
A_2 tape width (5 track)
B distance from reference edge to center of feed holes (7 and 8 track)
B_1 distance from reference edge to center of feed holes (5 track)
C spacing from center to center of adjacent feed holes
C_1 cumulative spacing error for 10 spaces
C_2 cumulative spacing error for 50 spaces
D distance from center of feed holes to code holes

All dimensions are in mm. 1 inch = 25.40 mm.

	RC GAUGE	DIN 66016 (VORNORM)	ISO 1671 (DRAFT)	ECMA (DRAFT)	USAS X 3.18 USAS X 3.19	BS 3880
A	25.40 ± 0.08	25.40 ± 0.08	25.40 ± 0.08	25.40 ± 0.05	25.40 ± 0.08	25.40 ± 0.05
A_1	22.22 ± 0.08	–	–	–	–	22.22 ± 0.05
A_2	17.40 ± 0.08	17.40 ± 0.08	–	17.46 ± 0.05	17.42 ± 0.08	17.45 ± 0.05
B	Nominal 9.96	9.96 ± 0.10	9.96 ± 0.10	9.96 ± 0.10	9.96 ± 0.10	9.96 ± 0.08
B_1	Nominal 9.96	9.96 ± 0.25	–	9.96 ± 0.10	9.96 ± 0.07	9.96 ± 0.08
C	2.54	2.54 ± 0.05	2.54±0.075	2.54±0.075	2.54 ± 0.08	2.54 ± 0.08
C_1	± 0.25	± 0.25	± 0.25	± 0.25	± 0.25	± 0.25
C_2	± 0.65	± 0.90	± 0.63	–	± 0.63	–
D	n x 2.54	n x 2.54 ± 0.05	n x 2.54 ± 0.05	n x 2.54 ± 0.05	n x 2.54 ± 0.05	n x 2.54 ± 0.05

A/S REGNECENTRALEN

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