

Facit 4020 optical tape readers 300 ch/s

An entirely new method of optical reading



*Advance
Information*

Facit 4020

New optical system for reading

Ignores variations in translucency. The reading is not disturbed by extraneous light and is not sensitive to temperature variations and aging.

Reads all types of tape material without adjustment

Coloured tapes, oiled, mylar and plastic tapes, different tape thicknesses. Up to 80% tape translucency.

Light emitting diode as light source

Ensures reliable operation and long life.

Stepping motor with capstan drive

- Exceptionally gentle tape feed
- Low noise level
- Maximum speed in both directions
- Tolerates up to 6% spacing error

Easily adapted to any system

The Facit 4020 is complete with drive electronics, one character buffer store and power supply. Wiring, power and space for one extra circuit board for customer option or interface is provided. Universal or Facit standard interface SP-1 is available.

Built in error checks and sensors indicate:

parity • end of tape • jammed tape feed stop • loading • low mains voltage

Few moving parts

Ensures long life and reliable reading.

Easy to load—easy to operate

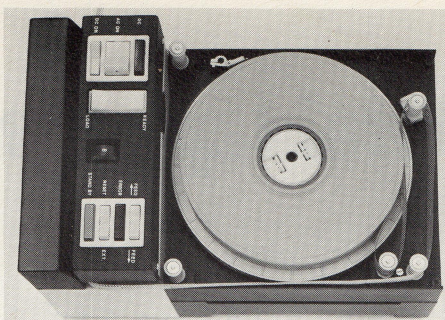
Easy maintenance

- No adjustment
- No lubrication
- Modular design
- Long maintenance interval

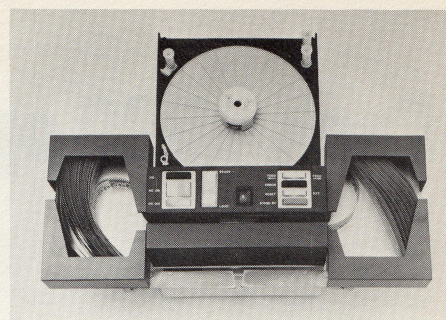
Available in table top and rack-mounted versions



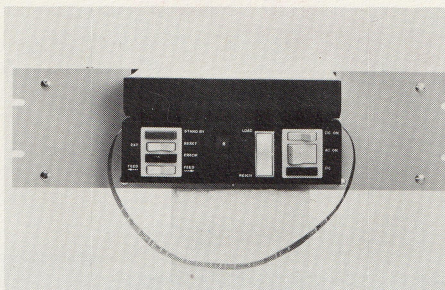
A thumb wheel selector on the control panel permits easy selection of hole pattern.



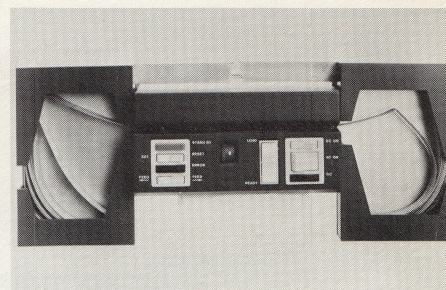
Facit 4021—table top version
—supply unit for large reels up to 200 mm (8 inches)



Facit 4021—table top version
—equipped with separate easily adaptable supply and take-up boxes for fan-folded tape up to 60 metres (200 feet).



Facit 4022—19" rack version



Facit 4022—19" rack version
—equipped with separate easily adaptable supply and take-up boxes for fan-folded tape up to 60 metres (200 feet).

General data:

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| <i>Operational speed</i> | 0 to 300 ch/s, bi-directional reading |
| <i>Error rate</i> | One error in 10 ⁸ characters |
| <i>Tape feed</i> | Asynchronous, stepping motor, capstan drive |
| <i>Punch hole patterns</i> | 5 to 8 track ISO standard 6 track typesetting 6 track Japanese telex |

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|------------------------------|---|
| <i>Tape spacing accuracy</i> | ±6% |
| <i>Tape widths</i> | 11/16" (17.5 mm ±0.1 mm) 5 track tape 7/8" (22.2 mm ±0.1 mm) 6 or 7 track tape 1" (25.4 mm ±0.1 mm) 8 track tape |
| <i>Thickness of tape</i> | 0.08 to 0.25 mm, including tape splice |
| <i>Tape media</i> | Paper, oiled paper, plastic, mylar or metallized mylar |

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| <i>Transmissivity of tape</i> | Up to 80% |
| <i>Tape supply</i> | Reel or fan-folded tape |
| <i>Store</i> | Buffer store for one character |

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| <i>Input and output signals</i> | All signals are IC-compatible low level signals |
| <i>Interface options</i> | Interface 1: Universal (mates with Facit 4070) Interface 2: Facit SP-1 |

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|---------------------------|----------|-----------|
| <i>Noise level</i> | Idling | 45 dB (A) |
| <i>(distance 1 metre)</i> | 10 ch/s | 50 dB (A) |
| | 50 ch/s | 60 dB (A) |
| | 300 ch/s | 67 dB (A) |

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| <i>Supply voltage</i> | Selection by rotary switch: 100, 115, 220 or 240 V AC +15%, —10% |
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| <i>Automatic shut-down</i> | If the mains voltage falls below 85 % of Nominal |
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| <i>Mains frequency</i> | 49 to 100 Hz |
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| <i>Power consumption</i> | max 150 W min 30 W |
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| <i>Environment</i> | Operating temperature +5° to +50° C |
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Dimensions and weights

| | Without fan-fold cassette | With fan-fold cassette |
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| Facit 4021 | | |
| Width | 200 mm (8 in) | 480 mm (19 in) |
| Depth | 352 mm (14 in) | 396 mm (15½ in) |
| Height | 208 mm (8¼ in) | 208 mm (8¼ in) |
| Weight | 10 kg (22 lb) | 11.3 kg (25 lb) |
| Facit 4022 | | |
| Width | 482 mm (19 in) | 482 mm (19 in) |
| Depth | 455 mm (18 in) | 455 mm (18 in) |
| Height | 132.6 mm (5¼ in) | 200 mm (8 in) |
| Weight | 12 kg (26 lb) | 13.3 kg (29 lb) |



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