



# TACHOGRAPHS: Recording charts, blind charts + thermal paper

## MOTOMETER

*powered by solutions*

Every commercial driver in the European Union is obligated under EU Regulation (VO) 3821/85 to record his/her driving, working, and resting times.

**For this purpose MOTOMETER offers**

### Recording charts

for tachographs in the original MOTOMETER quality, with and without speed and auxiliary recording, EU (VO) 3821/85 approved for all currently available EU tachographs.

### Blind charts

to protect the stylus of the tachographs when not in use or when the "Driver 1 or 2"-slot is not occupied.

### Type overview

Comparison type	Description	Registration approval for tachographs	Part No.
125-24/2EC 4B	125 km/h, automatic, electronically evaluable	e1: 23/26/31/32/37/40/45/46/55/56/57/60/63/ 64/69/70/72/73/74/75/78/79/82/83 e2: 18/20 e11: 18/20/27 e13: 12	517.601.2505
125-24 EC 4K	125 km/h, 24h, combi	e1: 03/04/07/08/09/10/11/12/15/18/21/22/23/ 26/29/30/31/32/35/36/37/40/41/44/45/46/ 47/48/53/54/55/56/57/58/59/60/63/64/65/ 66/67/68/69/70/72/73/74/75/78/79/80/81/ 82/83 e2: 18/20 e3: 01 e11: 18/20/27 e13: 11	517.601.2506
125-3300-24 EC 4K	125 km/h, 24 h, combi, 3300 U/min	e1: 13/14/16/17/24/25/27/28/33/34/38/39/42/ 43/49/50/51/52/61/62/71/76/77/85 e2: 19/21 e13: 14	517.601.2510
125-3300 24 2EC 4B	125 km/h, 24 h, automatic, 3300 U/min, electronically evaluable	e1: 24/25/38/39/51/52/61/62/71/76/77/85 e2: 19/21 e11: 20 e13: 13	517.601.2511

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## TACHOGRAPHS: Recording charts, blind charts + thermal paper

Comparison type	Description	Registration approval for tachographs	Part No.
125-4000-24 EC 4K	125 km/h, 24 h, combi, 4000 U/min	e1: 13/14/16/17/24/25/27/28/33/34/38/39/42/ 43/49/50/51/52 e13: 15	517.601.2512
100-24 2EC 4B	100 km/h, 24 h, automatic, electronically evaluable	e1: 23/26/31/32/37/40/45/46/55/56/57/60/63/ 64/69/70/72/73/74/75/78/79/82/83 e13: 2	517.601.2514
100-3300/24 2EC 4B	100 km/h, 24 h, automatic, 3300 U/min, electronically evaluable	e1: 24/25/38/39/51/52/61/62/71/76/77/85 e13: 13	517.601.2515
140-24 EC 4K	140 km/h, 24 h, combi	e1: 37/40/41/44/45/46/47/48/53/54/55/56/57/ 60/63/64/66/67/69/70/72/73/74/75/78/79/ 80/81/82/83 e11: 19/21/26 e13: 11	517.601.4001
140-24/2EC 4B	140 km/h, 24 h, automatic, electronically evaluable	e1: 37/40/45/46/55/56/57/60/63/64/69/70/72/ 73/74/75/82/83 e11: 19/21/26 e13: 12	517.601.4002
180-24 EC 4B	180 km/h, 24 h, automatic, electronically evaluable	e1: 57/60/72/73/82/83 e2: 24 e11: 24/25 e13: 12	517.601.8001
100-24 EC 4K	100 km/h, 24 h, combi	e1: 03/04/07/08/09/10/11/12/15/18/21/22/23/ 26/29/30/31/32/35/36/37/40/41/44/45/46/ 47/48/53/54/55/56/57/58/59/60/63/64/65/ 66/67/68/69/70/72/73/74/75/78/79/80/81/ 82/83 e13: 11	664.910.1480
Blind chart			543.250.0410

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# TACHOGRAPHS: Recording charts, blind charts + thermal paper

## One thermal paper for all digital tachographs

Thermal paper rolls for digital tachographs in the well-known original MOTOMETER quality, according to EC Regulation 3821/85 of the Council of 20 December 1985 – most recent amendment: EC Regulation 432/2004 of 5<sup>th</sup> March 2004.

The homologation covers all digital tachographs currently licensed on the market:

STONERIDGE SE 5000  
SIEMENS DTCO 1381  
ACTIA SMARTACH

Due to the manufacturer spanning homologation, a flexible application as well as a volume and cost optimised stock-keeping is realisable.

The premium quality MOTOMETER thermal paper is delivered in packs with three rolls, each individually protected by a special foil. Each roll has a length of 8 m and is coreless. The thermal paper is resistant against diesel and petrol, oil and grease, water, UV radiation, alcohol, plasticizer and cleaning supplies.

Under normal storing conditions, readability and printing amounts to 10 years.

## Homologation for:

Digital tachograph manufacturer	Type	Homologation no.
STONERIDGE	SE5000	e5 002
SIEMENS	DTCO 1381	e1 84
ACTIA	SMARTACH	e2 25, e2 29

## Criteria

- Coreless rewind
- Traceability of quality by batch number on each 3-roll-pakage
- Each 3-roll-package sealed with an adhesive
- The last 50 cm of the roll are marked
- Each roll sealed with a removable label
- Readability and printing amounts to minimum 10 years under normal storing conditions
- Each roll shrink-wrapped in a special foil for protection

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## TACHOGRAPHS: Recording charts, blind charts + thermal paper

### Dimensions of thermal paper rolls

Length: 8.0 m

External diameter: 27.5 mm

Width: 56.5 mm

### Physical characteristics

Weight: 63.5 +/- 7.5 g/m<sup>2</sup>

Thickness: 63.0 +/- 6.0 µm

Sleekness: > 500 sec

Brightness: > 75 %

Tensile strength MD/CD: > 4.0 / > 2.5 Kn/M

Tear strength MD/CD: > 0.3 / > 0.3 N

### Temperature and humidity resistance

Optical density of print-out: > 1.0

16 hours at -40 °C and 10 % - 90 % r. h.

Optical density of background: > 0.2

16 hours at -40 °C and 10 % - 55 % r. h.

### Resistance against

Petrol and diesel, oil and grease, water, UV radiation, alcohol, plasticizer and cleaning supplies

Part. No. 664.008.2206

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