

# STC-8255

DIGITAL TACHOGRAPH





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## DIGITAL TACHOGRAPH

### System Components

The STC-8255 includes 2 smart card readers, a printer, a display, a real-time clock, operating controls and a data storage facility. In conjunction with the motion (speed) sensor and the requisite tachograph cards, the STC-8255 meets all the requirements of the latest EU directive (1266/2009).

The STC-8255 can also be connected to an analogue and digital speed indicator or an instrument cluster.

### Data Recording

The STC-8255 records driving, work, availability and break/rest times for the driver and co-driver; the speed and distance travelled and other work processes and events related to the vehicle. The data relating to the vehicle is stored in the integrated memory, while driving and rest times are additionally stored on personnel driver cards.

The capacity of the system memory is sufficient to record all activities more than 365 days. The driver cards hold approximately 28 days of driver activity.

### Access rights/data protection

Special tachograph cards are used in the STC-8255 to comply with data protection requirements and ensure security. Fleet operators can protect their data against unauthorized access with a company card. Enforcement officers require a control card to access the system.

Authorized workshops can activate the calibration function of the STC-8255 using their workshop card.

### Interfaces

- CAN interface for system and vehicle
- Interface for motion sensor
- 6-pin interface for programming, calibration and data download
- Signal output (v pulse, 4 pulses/m)
- K-Line diagnostic interface
- Information data output interface
- GNSS Interface (Optional)
- Status Inputs (Optional)
- Motor Revolution Input (Optional)

### Functionality

- Various display and keypad colors
- Dual smart card readers
- 17 languages available
- Very easy to change the paper roll
- User friendly menu structures
- Fast card reading and data loading operations
- CAN instrument interface
- K-Line diagnostics interface
- Driver Assistance Guidance System (Pre-warning messages)
- Information data-out interface
- Over-speed pre-warning message and output
- Intelligent driving and resting time calculation according to regulation (EC) 561/2006
- Remote Data Download (requires additional equipment)

### Technical Specifications

Type Approval No	e37-0008
Installation dimensions	179.9mm x 50.4mm x 148.5mm (w x h x d), 1-DIN radio slot format
Operating voltage	24V or 12V DC
Measuring range	0 to 220km/h
Operating temperature	-25 0C to +800C
Storage temperature	-30 0C to +850C
Pulse range	2,000 to 65,000 pulses per km
Clock	Real-time clock based on UTC time
Data interfaces (front)	RS-232 download interface K-Line calibration interface
Data interfaces (rear)	Motion sensor data signal CAN-A and CAN-C K-Line calibration interface Information Data-Out Interface
Inputs	1 x motion sensor (RTS and data) 1 x illumination 2 x status inputs (opt.) 1 x motor revolution inputs (opt.) 1 x CAN wake-up input signal (opt.) 1x GNSS input (opt.)
Outputs	3 x v pulse; 1 x 4 pulses/m; 1 x warning
Accuracy	Speed : $\pm 1$ km/h Distance : $\pm 1$ % Time : $\pm 0,5$ sec per day
Weight	Approx. 700g