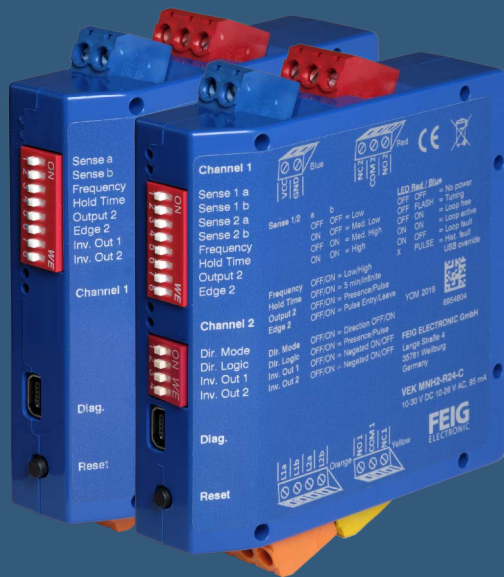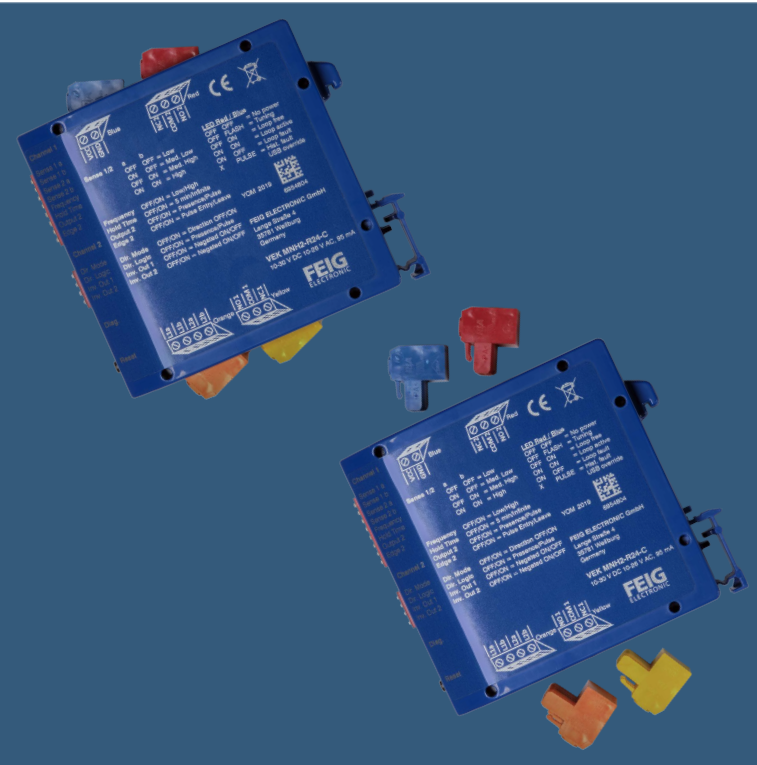**CAR PARK**

VEK MNH1 / VEK MNH2
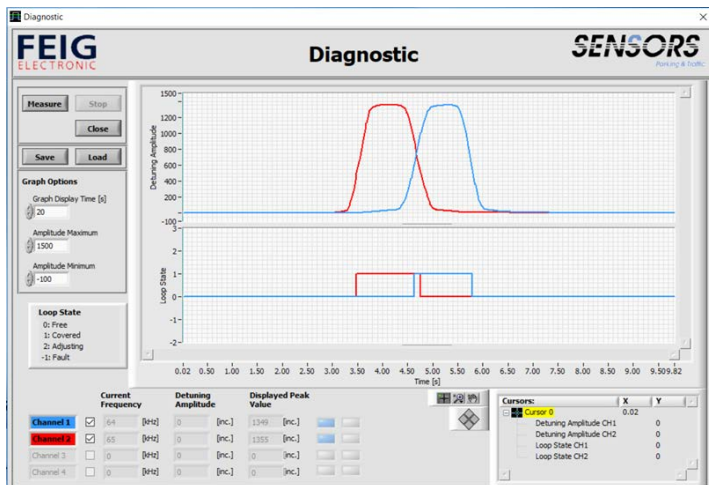# Induction loop detector for vehicle detection

FEATURES

→ New design

→ Single or double channel variants

→ USB interface for using modern diagnostic and service software

→ New hardware platform for higher detection speed and flexibility

→ Automatic calibration when switching on or resetting

→ Connections via plug-in multi-coloured screw terminals

→ Mode 'direction indication' for VEK MNH2

→ Fine adjustment of sensitivity and functions via software

→ Adjustments for relay operation - pulse & presence

FEIG ELECTRONIC

SENSORS
Parking & Traffic

TECHNICAL DATA VEK MNH1 / VEK MNH2

Dimensions (W x H x D)	22.5 x 79 x 81 mm (without terminals)
Housing	ABS Plastic, DIN rail mounting
Power supply	10-30 VDC or 10-26 V AC , max. 2W (SELV)
Inductance range	20-700 µH
Operating frequency	30-130 kHz
Sensitivity range	0.02 % - 1.3 % $\Delta f/f$ (4 steps)
Loop lead-in	max. 200 m
Signal outputs	
VEK MNH1	1 presence relay with SPCO contact (signal output invertible), 1 pulse relay with SPCO contact (signal output invertible)
VEK MNH2	1 relay per channel for VEK MNH2
Switching power	max. 60W / 125 VA
Switching voltage	max. 48 V (AC/DC)
Switching current	max. 2 A
Temperature range	–37°C up to 70°C

ORDER DESCRIPTIONS

VEK MNH1	Traffic detector (1-channel), 10-30 VDC or 10-26 V AC
VEK MNH2	Traffic detector (2-channel), 10-30 VDC or 10-26 V AC

ACCESSORIES

Diagnostic and Service Software (free of charge)

FEIG ELECTRONIC reserves the right to change specification without notice at any time.
State of information: Preliminary data - March 2020

Diagnostic and Service Software
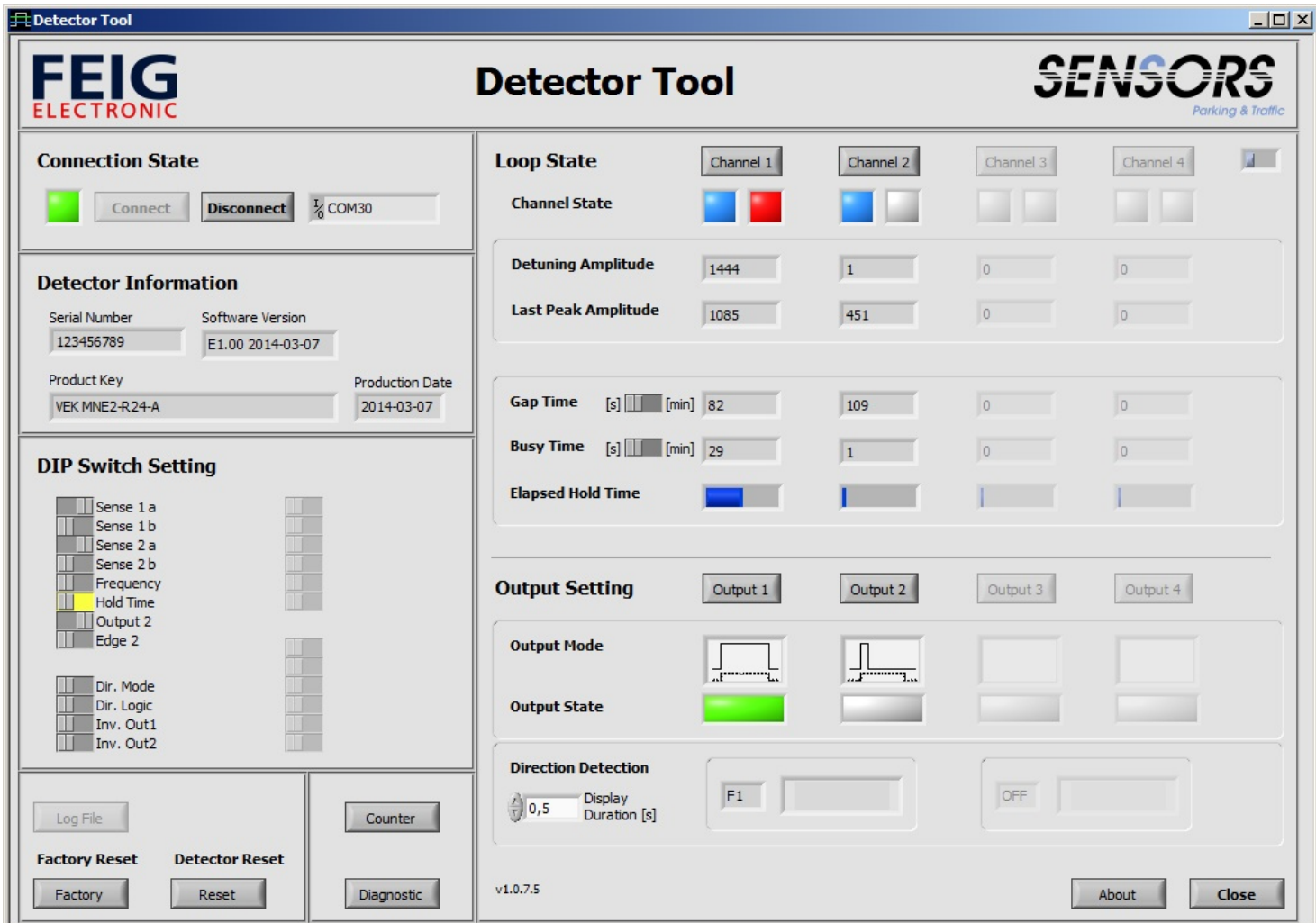
The USB interface of the detector allows connection to a PC, notebook or Tablet PC. With the help of a diagnostic and service software, the existing configuration of the device can be shown and conveniently changed directly on site.

The software shows the following main parameters:

- COM port connection
- Serial number & software version of the detector
- Position of the DIP switches as well as possible changes by the software
- Information about the loop status (detuning values of the loops, maximum value of the last loop occupancy etc.)
- Output settings (e.g. pulse duration)

Detuning values can be shown using a diagram over time. They can be stored, commented and sent to customers or colleagues. The diagnostic and service software is provided for customers of VEK MNH1 and VEK MNH2 free of charge.