ONSITE 30 SPEED DISPLAY

OnSite 30 Speed display is two digit speed display with 3 LED -rows in each LED-segment. Unit has built in radar and data collection function. Optionally system is available also with battery pack, solar panels and data collection options as well. Wide 40 degree LED-angle suits especially for built up areas and cities. Automatic brightness adjustment adjusts LED brightness to fit in all lighting conditions and also increases operating time in battery operated version as well.

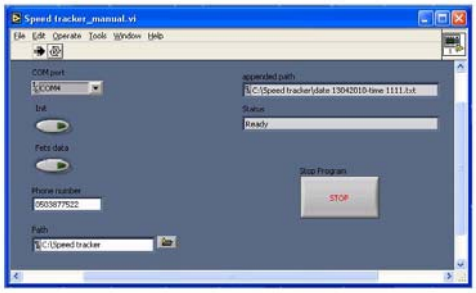
Display will show to approaching driver his or her speed, and flashes the speed few times if pre-set speed limit is exceeded. Cut off speed (maximum speed) shown in display can be set from control panel easily. Also minimum speed shown in display can be set from control panels, so e.g. light traffic like push bikes and pedestrians can be filtered out completely.

Speed limit, minimum and maximum speeds can are set by using control panel equipped with back light LCD screen and five control buttons. Screen and buttons are located behind separate and lockable hatch. USB and serial connections for data transfer are also located behind this same hatch.

Integrated speed data collection module gathers speed, date and time information from up to 100 000 samples. **Module gathers information not only from approaching targets, but resending targets as well.** This information can be easily transferred over serial / USB connection directly from display. Optional GSM/GPRS –data transfer allows wireless data transfer from display as well.

Control module software is upgradable for new and improved functions. Simple software upgrade enables long life time for this product. At the best new data transfer technologies might require just a small software upgrade, without any need to replace the complete system.

SCS control buttons & LCD-display



PC-software for data collection and handling in GSM/GPRS-data option

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ONSITE 30 TECHNICAL SPESIFICATIONS:

LED BOARD	
Number of digits	Two (2)
Digit height	30 cm
Type:	7-segment 3 LED rows
LED-quantity:	266 PCS
Angle and brightness:	40° / 8000 mcd with automatic brightness adjustment
Colour:	Red, Amber or Green
Temperature range:	-40°C - +70°C
Housing:	Painted black aluminium (Almg 3)
Size:	H 60cm x L 60cm x W 25cm
Front class:	5 mm durable Polycarbonate class (PC) with antireflective surface
Options:	LED-texts "SLOW DOWN" , “KM/H”, etc.

RADAR:	
Frequency:	K-band 24.150 GHz +/- 50 MHz
Beam width:	12° +/-1°
Range:	920 m
Speed range:	1 - 240 km/h
Accuracy	±1,25 %
Cosine angle error correction:	Automatic cosine angle correction up to 45 degrees vertical & horizontal
Programmable functions	- KPH or MPH - Sensitivity / range - Vertical & horizontal angle - Directionality (approaching, resending or both directions) - Target lock & hold times - Minimum & maximum speeds - Closest or fastest target in range

DATA COLLECTION & CONTROLL MODULE FOR 2 DIGIT 7-SEGMENT SPEED DISPLAY	
Functions:	Module will control - Two digits and trigger e.g. external "SLOW DOWN" text. - Or three digits where first digit is "1"
Data collection:	Up to 100 000 samples with dates and times.
Accuracy:	Speed is stored in full kilometres or miles
Data transfer	RS232 or USB -connector
Directionality	Both directions, only approaching or targets going away. (System will relay only approaching targets to digits)
Optons:	Automated data transfer thru GSM-data connection (option) Automated date and time update over GSM network.

POWER	
Nominal power:	220-240V / 12V
Power consumption (minimum)	0,23 A (2,8 W)
Power consumption (maximum):	5,03 A (61 W)

CONTROLL FUNCTIONS	
LCD-display with back light and 5 controls	Possibility to set following functions with menu & control buttons: - Radar sensitivity - Speed limit (when exceeded module will flash speed digits few times) - Maximum speed show in display - Minimum speed show in display - Speed information shown in seconds - Automatic brightness adjustment meter (0-7) - Date and time - GSM number for data transfer (GSM/GPRS -data transfer option) - Number of samples collected before initiation of an automatic data transfer (GSM/GPRS -data transfer option)

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