

## HT-SCR-100

### Features

- Dual dosing control supports either single and dual exhaust streams
- Works with gas or diesel
- Reduces NOx emissions
- Precise AdBlue Dosing
- Permits optimized combustion
- Automated AdBlue level sensing and transfer from storage tank to service tank
- CAN Bus engine monitoring
- Adjustable via Keypad and PC software
- Simple user interface with 3 push buttons
- Intuitive PC application software for configuring all features
- Galvanic isolated digital inputs and outputs
- Input Power 7-30 VDC
- -40°C - +85°C
- IP65



## Selective Catalytic Reduction

The Huegli Tech HT-SCR-100 Selective Catalytic Reduction (SCR) dosing system is designed to help reduce the amount of nitrogen oxide (NOx) emissions in the exhaust.

The system monitors the engine's SAE J1939 CAN Bus parameters, pre & post catalytic NOx sensors, pre & post temperature sensors, to prescribe and administer the proper dosage of AdBlue, at the proper time. A high pressure nozzle delivers highly atomized AdBlue for maximum effect.

The HT-SCR-100 provides supports up two dosing systems. The system can be run with a single exhaust stream for in-line engines, or, it can provide separate control for dual exhaust streams, as found on larger "V" engines.

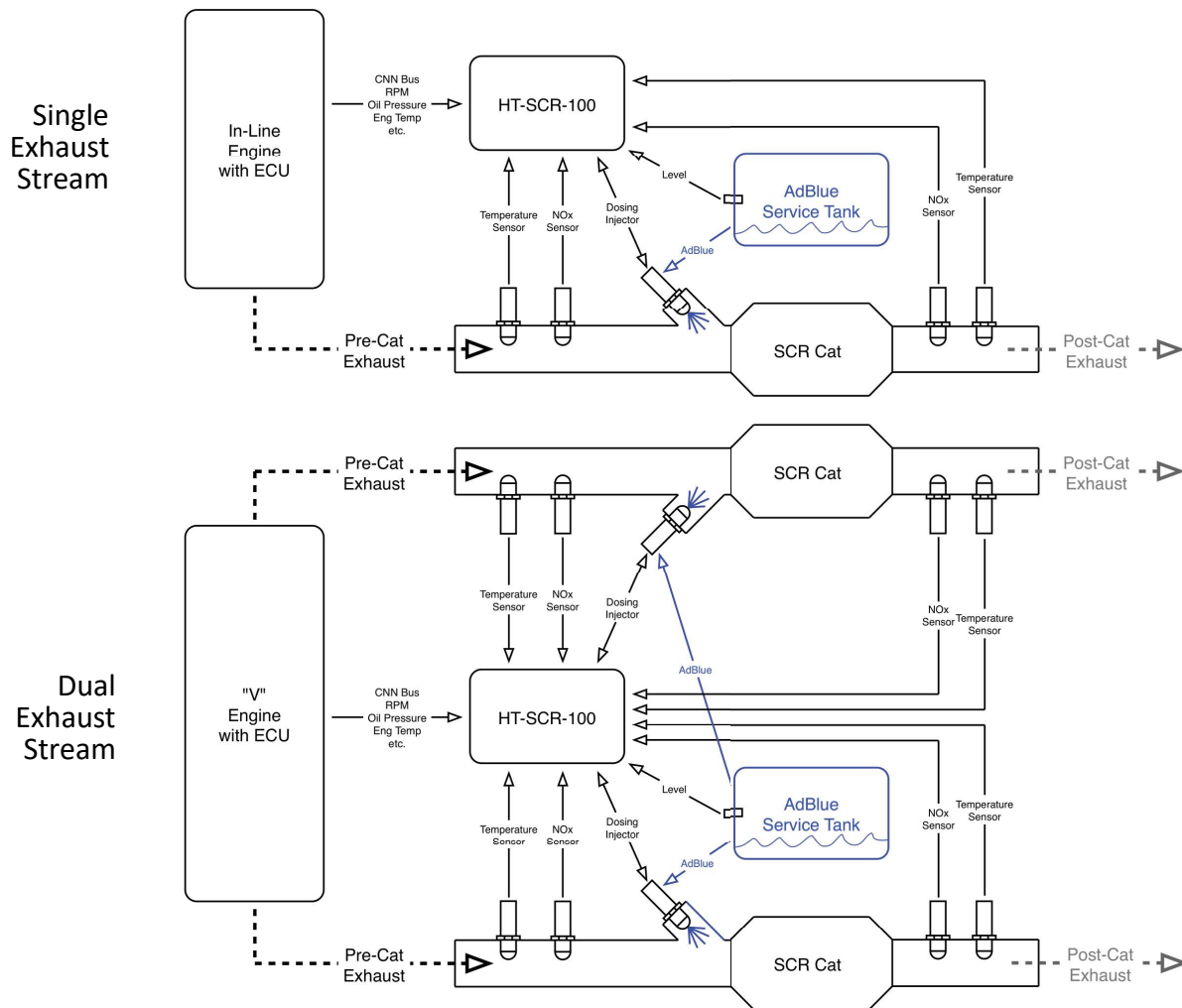
The system is capable of monitoring AdBlue service tank level, either with a switched input, to indicate refill is required, or analog input indicating the absolute level.

The HT-SCR-100 is cost effective, reliable, and compatible with gas and diesel fuel systems.

# Control Module

## System Diagrams

HT-SCR-100



## Technical Data

### Input / Output Parameters

Supply voltage .....	12 or 24 VDC Battery, (6.5 VDC to 33VDC)
Polarity .....	Negative ground (housing isolated)
Current consumption .....	100mA Max continuous (Excluding nozzle drawn current)
Reverse power protection .....	Yes
Inputs .....	Pre & Post Catalyst NOx, Post& Catalyst Temperature Sensor, Service Tank Level Sensor
Outputs .....	DEF Nozzle Control
Communication hardware .....	CAN Bus (2), USB
Communications protocols .....	SAE J1939, ModBus RTU

### Surroundings

Temperature range .....	-40 to +85 °C (-40 to +185°F)
Relative humidity .....	Up to 95%
Surface Finish .....	Fungus Proof and Corrosion Resistant
CE Certificate .....	EN55011, EN50081-2, EN50082-2, EN61326-1

### Norms/Standards

Authorizing office .....	CE and RoHS requirements
Communication .....	SAE J1939

### Reliability

Vibration .....	7G, 20-100 Hz
Shock .....	20G Peak
Inspection .....	100% Functionality Inspection

### Mass and Weight

Dimensions .....	223 x 136 x 39 mm
Mass (incl. connectors) .....	0.9 kg
Mounting .....	

Direct on motor chassis, preferably vertical with rubber shock absorbers, insulated, or in control cabinet.

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