



Saab TankMaster I/O Terminals

The IOT 5110-5140 Series I/O terminals makes the TankMaster system even more versatile.

It consists of four modules:

- **analog input**
- **analog output**
- **digital input**
- **digital output**

The analog input opens up TankMaster for all your 4-20 mA devices such as level-, pressure-, temperature meters, etc.

The analog output gives you the possibility to map a value, e.g. volume, to an analog indicator.

The digital input can be used to display e.g. valve indicators giving an improved view of what is going on at your site, high level alarms, etc.

The digital output enables you

to bring the TankMaster functionality back to the field. Use it for alarm panels and horns, simple valve operations, overfill emergency shutdown, etc.

Together with TankMaster this covers most needs of small and medium sites.

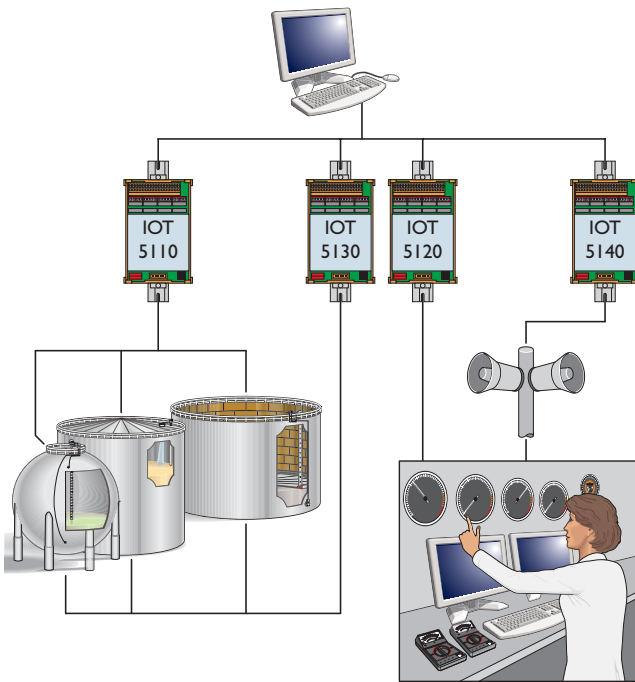
These versatile modules are characterized by reliability, low cost and that they are easy to use.



Features

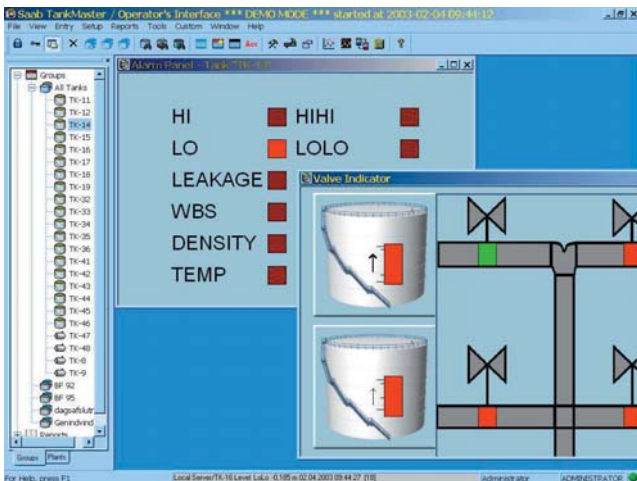
- RS-485 multi-drop bus connection.
- Up to 64 modules per loop.
- Free mix of module types.
- 12-bit A/D and D/A converter.
- 16 channels per module except DO which has 8 channels per module.
- DIN mounting with freedom of choice for enclosure (only needed for ESP protection).

TankMaster



Custom views

For advanced functions, other than direct single linkage from I/O to an OPC item, TankMasters Custom Views functionality can be used. Customer specific views and functionality can be implemented by skilled customers and trained sales representatives.



Specification Saab TankMaster IOT 5110-5140

General

Communication type	RS485
Communication speed	115 kb/s
Isolation	Optocoupled (in I/O box)
Module size	160 x 100 x 80 mm (6.3 x 3.9 x 3.2 in.)
Mounting method	DIN rail 35 mm (1.4 in.) clip
Supply voltage	24 VDC
Approved environment	0 to +55° C (0 to +130° F)

IOT 5110 Analog In [0(4)-20 mA, 0-10V]

Channels	16 single ended
Input load	50 Ω (curr), 10k Ω (voltage)
Accuracy (current)	Max ±0.5% of full range
Temp drift (current)	Accuracy valid for 0 to +55° C (0 to +130° F)
Accuracy (voltage)	Max ±0.5% of full range
Temp drift (voltage)	Accuracy valid for 0 to +55° C (0 to +130° F)

IOT 5120 Analog Out [0(4)-20 mA, 0-10V]

Channels	16 single ended
Load impedance	50 Ω / max 500 Ω
Load current	< 5 mA for 0-10VDC
Accuracy (current)	Max ±0.5% of full range
Temp drift (current)	Accuracy valid for 0 to +55° C (0 to +130° F)
Accuracy (voltage)	Max ±0.2% of full range
Temp drift (voltage)	Accuracy valid for 0 to +55° C (0 to +130° F)

IOT 5130 Digital In

Channels	16 negative common
Voltage range input	0 to +35 VDC
Source type	Potential free contact
Input current	Max 0.6 mA

IOT 5140 Digital Out

Channels	8 pot free SPDT
Capacity	Max 250 VAC, 2A

Quality and environmental system certified by DNV - ISO 9001 - ISO 14001

Your local representative:

HEADQUARTERS:

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