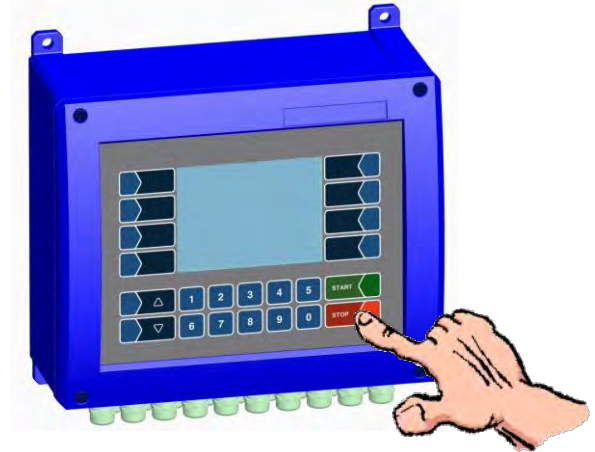


## Compact Controller TIGER Type 6942-10 Serie C

- High-capacity processor with backlit touch-LC-display
- Central indicating device and controller of fuel- or milk measuring system TIGER



**Attention:**  
Handling „fingers only“

### Application

The Compact Controller, Type 6942-10 together with a Measuring section, forms a creative measuring system for fuel- or milk vehicles. It takes over the control and monitoring of receiving- and delivery operation. Bills and receipts can be printed through an attached printer.

### Function

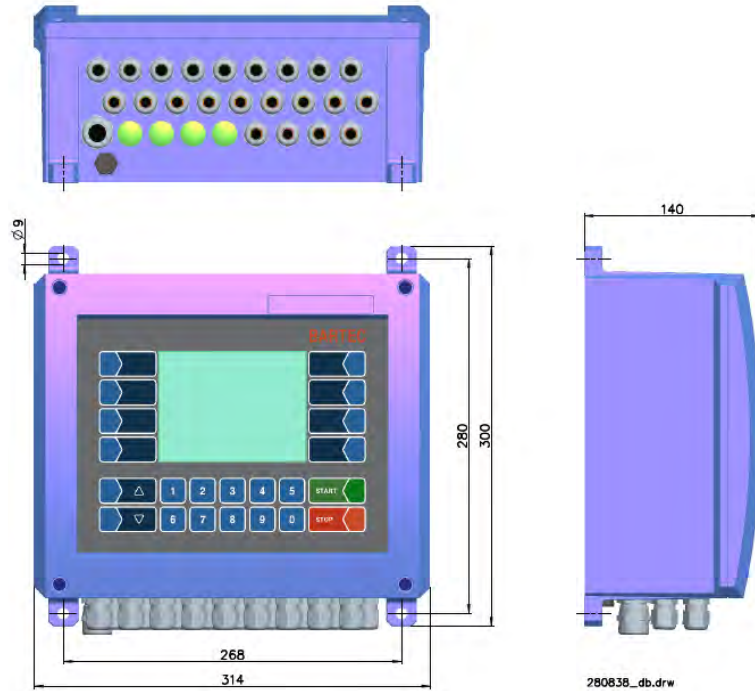
The controller is the central unit of the measuring system. Valves are controlled and sensors are scanned with the help of I/O Interface. The delivered or received amount is generated from the data imported through the measuring system interface and calculated and shown on the display. Customer data, delivery- and receiving data can be stored in the data bank and transferred in the office with the integrated data modem.

### Features

- Graphical, backlit touch-LC-display
- Power PC™CPU with Linux operating system
- Integrated measuring system interface
- Integrated I/O-Interface
- Integrated GPRS/EDGE modem (optional)
- GPS (optional)
- Aluminium frame impermeable to splash-water
- Serial Ports (RS232, RS485, Ethernet)
- Bluetooth Interface
- CAN-Bus Interface (J1939, FMS)

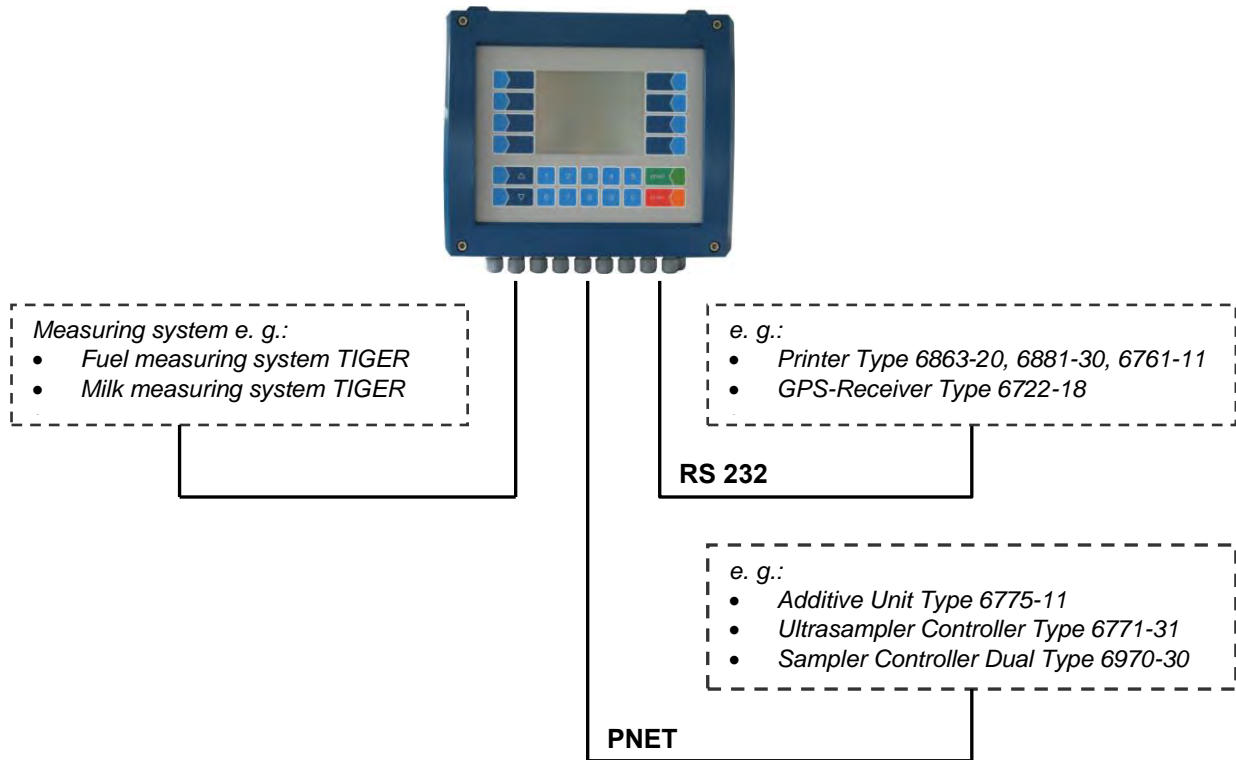
Technical Data		
<b>Device specific data</b>		
Nominal operating temperature	23 ± 2°C	
<b>Elektrical data</b>		
Operating voltage	DC 24 V (9 - 36V) Bordnetz (load dump firm, stabilised)	
<b>CPU</b>		
Processor	PowerPC™ MPC8270 (266MHz)	
Hard coded memory	FLASH: 256 MB FLASH (programm memory) SDRAM: 128 MB SDRAM (random access memory) SRAM: 4 MB (battery backed, power failure proof data memory)	
Exchangeable data memory	Compact Flash: all sizes	
Real time clock	Battery backed	
<b>Display / Keyboard</b>		
Display	LC-graphic display, 120 x 89 mm, monochrome, transfective Resolution 320x240 pixel adjustable LED background lighting	
Keyboard	Resistive touch	
<b>Measuring system interface</b>		
Current inputs	3 x DC 24 V, 0/4 - 20 mA	
Voltage inputs	2 x DC 24 V, 0 - 4V	1 x DC 12 V, 0 - 4V
Temperature sensors	2 x Pt 100, 4 conduction	
Pulser input	24V stabilized, max. 1kHz	
PWM-output	24V stabilized, max. 400Hz	
Analogue output (optional)	0/4 - 20 mA, R <sub>B</sub> max. 500 Ω, 10 bit galvanically isolated	
Voltage outputs	16 x plus schaltend 1 A, 24 V stabilisiert (3 A total)	
Digital inputs	8 x optically isolated, input resistance 2.6 KΩ, bipolar, solid state	
Pulse counting	3 channel max. 100 Imp/s, Input optically isolated 5 kΩ pull-up	
<b>Interface</b>		
Interface printer	RS 232, RxD, TxD, CTS, RTS, 115 K galvanically isolated	
Interface Fieldbus	P-NET RS485, 76800 baud, galvanically isolated	
Interface Bluetooth	Bluetooth 2.0 radio modul (Class 2), reach max. 20m	
Interface CAN	CAN 2.0 A/B, 250kBaud Communication profile: free protocol based on SAE J1939, FMS CAN-Bus-termination: can be switched on and off	
Other	RS485, Ethernet 100 Mbit (auf CPU), several RS232 (3x without hand-shake, 1x with handshake)	
<b>Ambient conditions</b>		
Operating temperature	- 20 ... + 50 °C	
Storage temperature	- 25 ... + 60 °C	
Climate classification	ISF according to DIN 40050	
Protective type	IP 65 according to DIN 40040	
<b>Mechanical data</b>		
Dimensions	See drawing	
Material	Aluminium pressure die casting, coated blue	
Front screen	PES	
Weight	65 N (6,5 kg)	

### Dimensions Compact Controller, Type 6942-10



### Block diagram

### Compact-Controller TIGER, type 6942-10



### Ordering details

Designation	Order number
Compact-Controller TIGER, type 6942-10 Serie C (PETRO)	386565
Compact-Controller TIGER, type 6942-10 Serie C (FOOD)	386570
Appendix (optional)	
Designation	Order number
GPRS-Modul, type 6942-100	290337