

Compact Controller TIGER, Type 6942-10

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



Attention:
"Fingers only" control

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

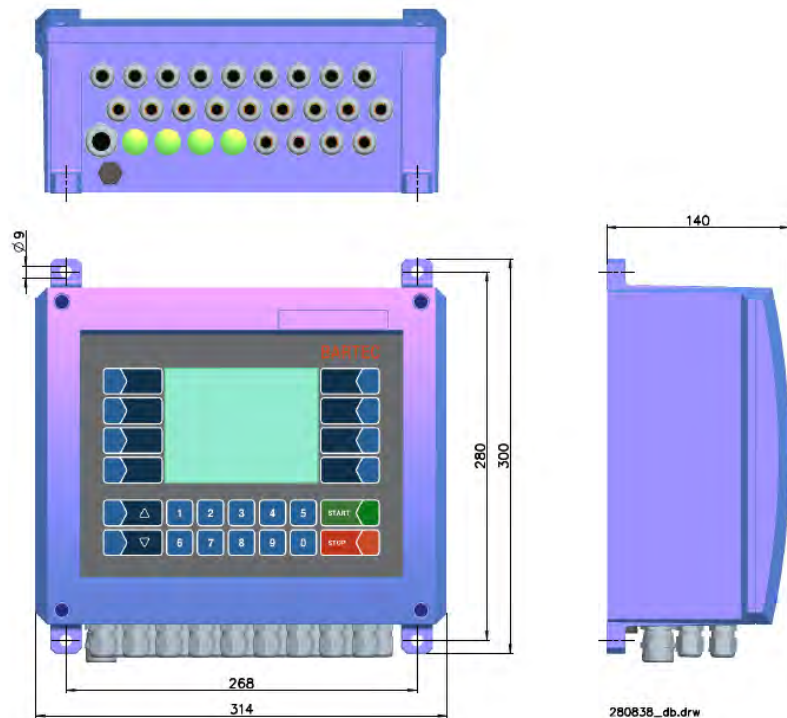
The controller is the central unit of the measuring system. Valves are controlled and sensors are scanned with the help of I/O Interface. The delivered or received amount is generated from the data imported through the measuring system interface and calculated and shown on the display. Customer data, 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)

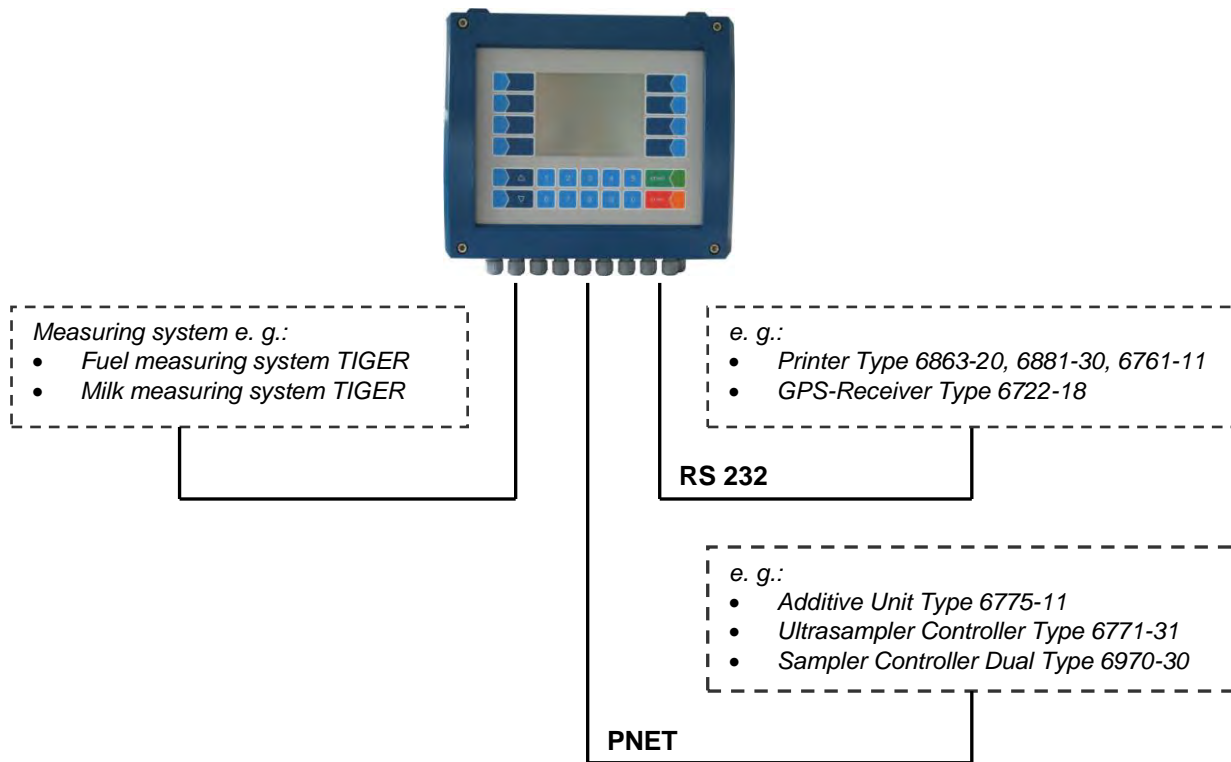
Technical Data		
Device-specific data		
Nominal operating temperature	23 ± 2 °C	
Electrical Data		
Operating voltage	DC 24 V (9 - 36V) main power supply (load dump firm, stabilised)	
CPU		
Processor	PowerPC™ MPC8270 (266MHz)	
Hard coded memory	FLASH : 256 MB FLASH (program memory) SDRAM: 128 MB SDRAM (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	
Display/keyboard		
Display	LC-graphic display, 120 x 89 mm, monochrome, transfective Resolution 320x240 pixel adjustable LED background lighting	
Keyboard	Resistive touch	
Measuring system interface		
Current inputs	3 x DC 24 V, 0/4 - 20 mA	
Voltage inputs	2 x DC 24 V, 0 - 4 V	1 x DC 12 V, 0 - 4 V
Temperature sensors	2 x Pt 100, 4 conductor	
Pulser input	24V stabilized, max. 1kHz	
PWM-output	24V stabilized, max. 400Hz	
Analogue output (optional)	0/4 - 20 mA, R _B max. 500 Ω, 10 bit galvanically isolated	
Outputs	16 x plus switching 1 A, 24 V main power supply (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	
Interfaces		
Interface printer	RS 232, RxD, TxD, CTS, RTS 115 K galvanically isolated	
Interface Fieldbus	P-NET RS 485, 76800 baud, galvanically isolated	
Other	RS485, Ethernet 100 Mbit (on CPU), RS232 (without handshake)	
Ambient conditions		
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	
Mechanical data		
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 (PETRO)	280838
Compact Controller TIGER, Type 6942-10 (FOOD)	302428
Appendix (optional)	
Designation	Order number
GPRS-modul, Type 6942-100	290337