PG-65

Parameter Programmer for BARTH® Mini-PLC

TFT 2.4“ Color | CAN 2.0A/B | IrDA | USB

Li-Ion | 7..32V= | -20/+50 °C | SHOCK PROOF

FEATURES

- Easy Setup and Change of PLC Parameters
- Well suitable for STG-8xx Series
- Excellent for Field Service Use
- Intuitive graphical Menu
- Communication via CAN or IrDA
- Open Source Interfaces
- Color Touch Display 2.4“ 240x320p
- Internal Li-Ion Battery Operation
- USB Power Operation
- External Power Operation 7 to 32 VDC
- Rugged Design
- Aluminium Diecast Housing
- Engineered and manufactured in Germany

APPLICATIONS

- Mini-PLC Field Programming
- Industrial and Building Automation
- Automotive and Maritime Technology
- Technical Education / University
- Test System Control

DESCRIPTION

The PG-65 Parameter Programmer has been designed for wireless communication with the BARTH® Mini-PLC STG-8xx series using IrDA or CAN interface to upload and download user-defined parameters.

The STG-8xx CAN and IrDA interfaces are Open Source programmable using the powerful KEIL® µVision® Software Suite.

The PG-65 features a 32 bit ARM® Cortex® micro-controller with three power options and needs no programming for operation with the BARTH® Mini-PLC STG-810 series.

An internal 3.7V Li-Ion battery allows several hours of field programming without the need of an external power supply. The USB mode supports operation from USB power or an external AC adaptor.
As a third option the PG-65 can be supplied by the target application within a 7 to 32 VDC range.

The PG-65 is also available as customer-tailored OEM version within 8 weeks.

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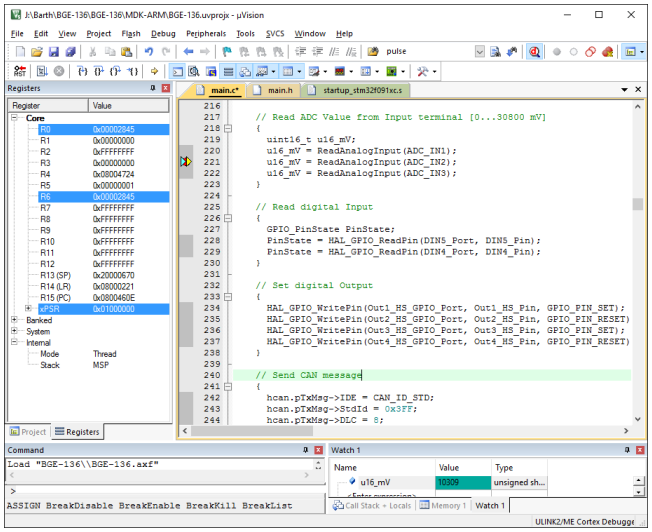
BARTH® Elektronik GmbH

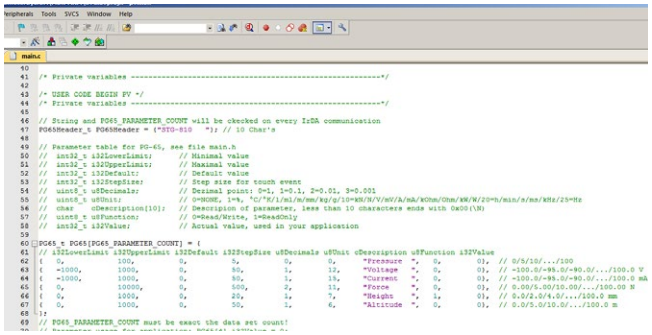
PG-65

OPEN SOURCE C-PROGRAMMING

The BARTH® Mini-PLC STG-8xx series can be programmed as Open Source Mini-PLC using the powerful KEIL® µVision® Software Suite to interface the PG-65 Parameter Programmer.
For everyone who is familar with C-Programming this outstanding feature opens up a variety of hardware-oriented possibilities in a realtime environment with powerful debugging options.



Easy setup of parameters to be shared with the PG-65 Parameter Programmer.



SPECIFICATIONS

Operation Voltage	external: 7 to 32 VDC internal: 3.7 VDC Li-Io
Current Consumption	< 60 mA @ 24 VDC
Fusing	1 to 5 A max. (external)
CAN	CAN 2.0A/B 250kBit
IrDA	SIR (9.6 kbit/s to 115.2 kbit/s) IrPHY
Operation Time Li-Io Battery	> 4 h @ full operation
Memory	5Mb Flash, 196k RAM
Security Features	System and independent watchdog Fail safe oscillator Power on/down reset Supply voltage supervisor
Conformity	2004/108/EG, 2004/108/EC 2014/30/EU
Electrical Connection Supply / CAN	plugable spring terminal connectors 0.25 to 1.5 mm²
Operation Temp.	-10 to +55 °C (IEC 60068-2-1/2)
Storage Temp.	-20 to +55 °C (IEC 60068-2-1/2)
Shock Resistance	min. 50 m/s² (5G)
Vibration Resistance	min. 10 m/s² (1G) @ 10 to 100 Hz
Protection Grade	IP 20
Housing Material	Aluminium, PMMA
Weight	220 g (without connectors)
Dimensions	115 x 85 x 25 mm (LxWxH)
Ordering Information	Parameter Programmer PG-65 Art. No. 0017-0065 GTIN 4251329401283

DOCUMENTS, VIDEOS & SOFTWARE

www.barth-elektronik.de

www2.keil.com/stmicroelectronics-stm32/mdk

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