BGT, ST, GTU

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Россия (495)268-04-70
Киргизия (996)312-96-26-47
Казахстан (7172)727-132

cgo@nt-rt.ru || https://gavazzi.nt-rt.ru/

Test Unit

BGT-TEST-SP

- ***Portable test unit***
- ***Monitoring of smart-house channel status***
- ***LCD-display***
- ***12-key tactile keyboard***
- ***Supplied by smart-house***
- ***Transmission latch***
- ***Dual-group reading***
- ***Analog BCD reading***
- ***Split I/O channel reading***

PRODUCT SPECIFICATIONS

Output	smart-house
Connection	3 mm Jack socket
Display	2 x 16 characters
Type	LCD
Height of dots	5 mm
Keyboard	Tactile keys
No. of keys	12
Channel keys	1-8
Command keys	« ↑ » « ↓ » (scroll up/down)
	« MODE », « ENTER »

Cable 1	BGT-TEST-SP to smart-house
BGT-TEST-SP connector	3 mm Jack plug
smart-house connector	2 mini grips
Signal	Red
Common	Black
Cable 2	BGT-TEST-SP to Chip module
BGT-TEST-SP connector	3 mm Jack plug
smart-house connector	1 6/6 modular plug

GENERAL SPECIFICATIONS

Environment	
Degree of protection	IP 40
Pollution degree	3 (IEC 60664)
Operating temperature	0° to +50°C (+32° to +122°F)
Storage temperature	-20° to +60°C (-4° to +140°F)
Humidity (non-condensing)	20 to 80%

Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)
Dimensions (l x w x d)	145 x 90 x 28 mm
Material	ABS, grey
Weight	250 g

SUPPLY SPECIFICATIONS

Power supply	Supplied by smart-house
Reverse-polarity protection	Yes
Rated operational current	< 4.0 mA

TYPE SELECTION

Supply	***Ordering no.***
Supplied by smart-house	BGT-TEST-SP

MODE OF OPERATION

128-channel portable transmitter/receiver unit supplied by smart-house. The BGT-TEST-SP can be used anywhere along the two wires to monitor and control the status of smart-house channels. This unit is highly recommended for start-up and maintenance work on smart-house systems.

The BGT-TEST-SP can operate in 6 different modes:

- Digital 1 group
- Digital 2 groups
- Edit Tx-latch
- Analog BCD
- Split I/O
- Sensor Calibration

Warning: Do not plug or unplug the Jack connector when the BGT-TEST-SP is connected to smart-house. This will cause a short-circuit of the two wires.

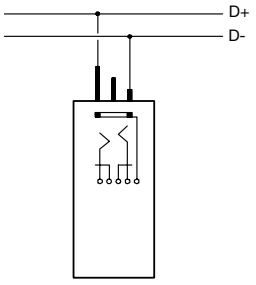
Note: If the smart-house carrier is missing, the display will not turn on.

ADDITIONAL INFORMATION

Scope of supply

1 x Test unit	BGT-TEST-SP
1 x Cable 1 (mini grips)	BGT-TEST-SP - GRIP - CAB
1 x Cable 2	BGT-TEST-SP - ASIC - CAB

WIRING DIAGRAM



Supplied by smart-house

Accessories
Sensor Tester
Type ST-03

- NAMUR (EN 50 227)
- 2-wire DC
- 3-wire DC
- 4-wire DC

Product Description

The fastest way to verify the main function on your sensor. The tester can be used for: Namur (EN 50 227), 2-wire DC, 3-wire DC and 4-wire DC. Connect your sensor to the terminals on the sensortester. The sensortype (NPN or PNP) and output status NO (normally open) and (normally closed) is shown on the correspondent LED. Red LED for NPN and green for PNP. A buzzer will tell you if the output is active.

Fault function on the tester can be: Wrong sensor (e.g. AC sensors), defect sensor. The wire is not connected correct. The fuse in the tester is burned. The batteri is flat.

For connection se the wiring diagram on the sensor tester. To replace the batteries (2x9V, e.g. PP3) or fuse (100mA f) remove the screw on the backside of the sensor tester.

Ordering Key

ST-03

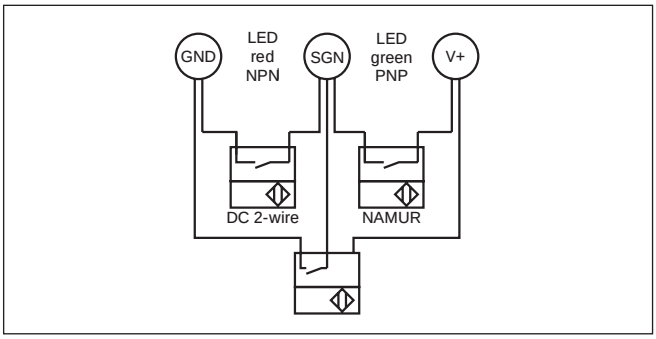
Type

Type Selection

Ordering number

ST-03

Wiring Diagram



Terminals / Sensortype	GND	SGN	V+
NAMUR	-	BU(2)	BN(1)
DC 2-wire NO	BU(4)	BN(1)	-
DC 2-wire NC	BU(2)	BN(1)	-
DC 3-wire NO	BU(3)	BK(4)	BN(1)
DC 3-wire NC	BU(3)	BK(2)	BN(1)
DC 4-wire NO	BU(3)	BK(4)	BN(1)
DC 4-wire NC	BU(3)	WH(2)	BN(1)

(.) refers to the pin numbers.

Test Unit
Type GHTU8

- **Portable test unit**
- **Designed as part of the Dupline®/Hi-Line irrigation concept**
- **Monitoring of Hi-Line channel status**
- **LCD-display**
- **12-key tactile keyboard**
- **Supplied by Hi-Line**
- **Transmission latch**
- **Dual-group reading**
- **Analog BCD reading**

Product Desciption

Test unit for Hi-Line modules and networks. Monitoring/control unit with LCD-display.

Highly recommended for Hi-Line system start-up, trouble-shooting and maintenance.

Ordering Key

GHTU 8

Type: Hi-Line
Type no.

Type Selection

Supply	**Ordering no. Test unit**
Supplied by Hi-Line	**GHTU8**

Supply Specifications

Power supply	Supplied by Hi-Line
Reverse-polarity protection	Yes
Rated operational current	< 4.0 mA

Product Specifications

Input	Hi-Line
Connection	3 mm Jack socket
Display	2 x 16 characters
Type	LCD
Height of dots	5 mm
Keyboard	Tactile keys
No. of keys	12
Channel keys	1-8
Command keys	« ↑ » « ↓ » (scroll up/down) « MODE », « ENTER »
Cable 1	GTU8 to Hi-Line
GTU8 connector	3 mm Jack plug
Dupline® connector	2 mini grips
Signal	Red
Common	Black
Cable 2	GTU8 to ASIC module
GTU8 connector	3 mm Jack plug
Dupline® connector	1 6/6 modular plug

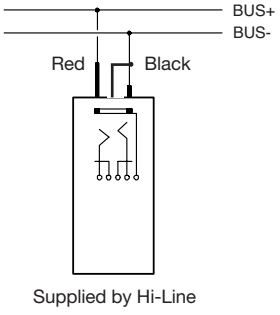
General Specifications

Environment	
Degree of protection	IP 40
Pollution degree	3 (IEC 60664)
Operating temperature	0° to +50°C (+32° to +122°F)
Storage temperature	-20° to +60°C (-4° to +140°F)
Humidity (non-condensing)	20 to 80%
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)
Dimensions (l x w x d)	145 x 90 x 28 mm
Material	ABS, grey
Weight	250 g

Additional Information

Scope of supply	
1 x Test unit	GHTU8
1 x Cable 1 (mini grips)	GTU8 - GRIP - CAB
1 x Cable 2	GTU8 - ASIC - CAB

Wiring Diagram



BUS+: Signal wire

Mode of Operation

128-channel portable transmitter/receiver unit supplied by Hi-Line. The GHTU8 can be used anywhere along the two Hi-Line wires to monitor and control the status of the channels. This unit is highly recommended for start-up and maintenance work on systems.

The GHTU8 can operate in 6 different modes:

- Digital 1 group
- Digital 2 groups
- Edit Tx-latch
- Analog BCD
- Split I/O
- Sensor Calibration

The start-up mode is "Digital 1 group".

To change mode:

1. Press « Mode »
2. Shift between mode options by pressing either « ↑ » or « ↓ ».
3. Select mode by pressing « Enter ».

Digital 1 group
Once connected to the Hi-Line, the display shows the status of channel group A. Active channels are indicated by their numbers. Pressing «1», «2» ... «8» will activate the corresponding Dupline channel in the selected channel group.
Pressing « ↑ » or « ↓ » changes the channel group shown in the display.

Digital 2 groups
When the mode "Digital 2 groups" is selected, the user may select an additional channel group for permanent monitoring on the bottom line of the display. The channel status of the two selected groups can now be monitored, but changing the channel status through the keys «1» ... «8» only affects the channels displayed in the upper row of the display. Even so, pressing the « ↑ » or « ↓ » key only changes the channel group in the upper row of the display.

Edit Tx-latch
In this mode it is possible to "latch" the activation of one or more channels. This means that the GTU8 will continue transmitting on the channel(s) even though the corresponding transmission button is released.

To cancel the transmission on a channel, press the corresponding transmission button again.
The latched transmission will continue even if the channel group or mode is changed. In order to change the status of a latched transmission, it is necessary to re-enter the "Edit Tx-latch" mode.

All the latched channels are reset to normal Dupline® operation whenever the GTU8 becomes disconnected from the Dupline®.

Analog BCD
In this mode it is possible to monitor values from analog transmitters that use the multiplexed 3 1/2-digit BCD format. The analog values are shown as BCD numbers within the range of -1999 to 1999.

By pressing « ↑ » or « ↓ » the group addresses can be changed. By keeping « Enter » pressed while activating « ↑ » or « ↓ », the multiplex address will change instead.

The display will show "Wait" until the selected multiplex address has been present on channels A1-A4.

If no analog value is transmitted on the selected address, the display will show: "None".

If the analog value on the selected address is not valid, the display will show: "Error".
If the multiplex address "OFF" is selected, the display will show the analog value transmitted on the selected channel groups disregarding the multiplex address.

"OFF" should be selected when the analog transmitters are used in non-multiplexed mode.

If a specific analog transmitter is to be tested, it is possible to set up its multiplex address in "Tx-latch" mode and then go back to the "Analog BCD" mode to monitor the value.

Split I/O
In this mode it is possible to see the status of split I/O channels.
The upper row in the display shows the output from the master generator.
The lower row in the display shows inputs from Dupline units to the master generator.

By pressing « ↑ » or « ↓ » the group addresses can be changed.

Pressing «1», «2» ... «8» will activate the corresponding Dupline channel in the selected channel group.

Note: If the bus signal is missing, the display will not turn on.

Sensor Calibration
The Sensor Calibration function is carried out as a sequence of steps. The function controls one channel on the Dupline® bus to tell the attached sensors to calibrate.

1. Enter this function and select the decided Dupline® group:
   "SELECT SENSOR
   CALI GROUP: X"
(X is the group number).
   Press enter when the wanted group is selected.

2. When Group is selected the channel within the group must be selected.
   "SELECT SENSOR
   CALI CHANNEL: XY"
(X = Group number,
Y = Channel in group X).
Press enter when the wanted channel is selected.

3. When the channel has been selected, an intermediate state is entered:
   " PRESS ENTER TO
   CALIBRATE!"
Press enter to start Calibrating.

4. When enter is pressed the calibration is started and a progress bar is shown in the display:
   "0%:**********
   **********:100%"
Don't press anything the GHTU8 will change state automatically.

5. When calibration is finished the following will be shown in the display:
   "FINISHED! PRESS
   MODE TO EXIT"

Pressing the mode button is the only way to restart calibration or entering a new mode of operation!

Warnings:

- Do not plug or unplug the Jack connector when the GHTU8 is connected to Hi-Line. This will cause a short-circuit of the two wires.

- Do not connect a standard GTU8 test unit to Hi-Line. It will cause immediate damage to the unit.

Note: The GHTU8 will not work on a normal Dupline net.

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

Россия (495)268-04-70
Киргизия (996)312-96-26-47
Казахстан (7172)727-132

cgo@nt-rt.ru || https://gavazzi.nt-rt.ru/