

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курган (3522)50-90-47
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
Ноябрьск (3496)41-32-12

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
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
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

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

сайт: www.honeywell.nt-rt.ru || эл. почта: hwn@nt-rt.ru

ТЕРМОПРЕОБРАЗОВАТЕЛИ

Технические характеристики

на SmartLine STT250,

SmartLine STT25T



1. OVERVIEW

1.1 Introduction

The STT250 Series Smart Temperature Transmitter is a microprocessor based unit suitable for accepting a wide variety of thermocouple and resistance temperature detector sensor inputs or direct ohm or milli-volt inputs and providing a 2 wire 4-20 mA “Analog”, digital “DE”, or analog “HART[®]” proportional output. The transmitter offers high accuracy and stability together with wide flexibility to suit a wide range of applications. All adjustments and operational settings are implemented through the Smart Field Communicator (DE) or the HART[®] communicator (HART[®]). Both field communicators access the transmitter by connecting across the 4-20 mA wiring in parallel with the STT250 anywhere along the wiring up to 1500 meters from the transmitter for both the DE and HART[®] protocol versions.

Note: 1500 m is the maximum HART[®] cable length but may be restricted by cable capacitance limits.

- Model STT25M provides a 4-20mA analog output and is configurable with the Honeywell Smart Field Communicator (SFC) or the PC based Smartline Configuration Toolkit (SCT). The terminal assembly is black for visible differentiation.
- Model STT25D provides both the 4-20mA analog output as in Model STT25M or the digital DE protocol for digital integration to the Honeywell control system or other compatible interfaces. The terminal assembly is black for visible differentiation.
- Model STT25H provides the output per the HART[®] communication protocol. STT25H supports both version HART5 and HART6 protocol. The terminal assembly is blue for visible differentiation.
- Model STT25S provides the output per the HART[®] communication protocol and TUV SIL 2 safety rating. The terminal assembly is blue for visible differentiation (with SIL certification). Only HART6 protocol for STT25S.
- Model STT25T can be configured to have average/ difference of 2 inputs. The STT25T can be used for redundant switchover (except for RTD/RTD) and used with split range (switches over from one sensor to the other at a user-defined value, so as to use accuracy region of both sensors). The STT25T can also be used as an indication of sensor degradation. STT25T can be used as a single input transmitter for all sensor types (thermocouple, mv, rtd,ohms). STT25T supports both version HART5 and HART6 protocol. It is configurable with the HART[®] hand held communicator or a PC based HART[®] maintenance system (such as Honeywell’s FDM and Experion system). STT25T HART6 version carries SIL certification.

The STT250 series is based on a rugged compact package with encapsulated electronics for high reliability and includes facilities for spring loading of the sensor at a 33 mm pitch in accordance with DIN 43729. The unit is available either for DIN rail mounting or supplied in a variety of enclosures for direct sensor, pipe or wall mounting (See Figure 9 through Figure 14).

“HART[®] is a Registered Trademark of HART Communication Foundation.”

“The STT3000 Smart Temperature Transmitters are manufactured under at least one of the following patent numbers: 4.734.873, 4.592.002, 4.587.466, 4.553.104, 4.494.183”

Model table

Model Name →	STT25S	STT25H	STT25T	STT25D	STT25M
Protocol HART		HART5 & HART6	HART5 & HART6	4-20 mA analog OR DE	4-20 mA analog
Configuration Tool	MCToolkit, Emerson's 375/475, Honeywell's FDM, CodeWright's DTM	MCToolkit, Emerson's 375/475, Honeywell's FDM, CodeWright's DTM	MCToolkit, Emerson's 375/475, Honeywell's FDM, CodeWright's DTM	MCToolkit, SFC & SCT, Honeywell's FDM,	MCToolkit, SFC & SCT, Honeywell's FDM,
Terminal Assembly colour	Blue		Blue	Black	Black
Whether SIL certified?	Yes	No	Yes (HART6 version only)	No	

2. TECHNICAL SPECIFICATIONS

2.1 Environmental Conditions

Parameter	Reference Condition	Rated Condition	Operative Limits	Transportation And Storage
Ambient temperature °C	23 °C ± 2	-40 to +85	-40 to +85	-50 to +100
Humidity				
Rack mounted % RH In field housing % RH Supply voltage	10 to 55	5 to 95	5 to 100	5 to 100
	10 to 55	5 to 100	5 to 100	5 to 100
	Voltage range 10.8 to 35 Vdc at the transmitter terminals			
Output current	Current over range 3.8 to 20.8 mA. Failsafe limits < 3.8 and 21.8 mA Namur range 3.8 to 20.5mA. (Not available for STT25D)			
Load resistance	- without shielded wires 10 V/m, ± 0.2% of Max span - With shielded wires and mounted in metallic housing: 10 V/m, ± 0.1% of max span.			
Vibration	Maximum of 4g over 15 to 200Hz (restricted to 3g with indication meter).			
Shock	Maximum of 40g.			

CE MARK compliance:

In compliance with EMC directive 89/336/ECC:

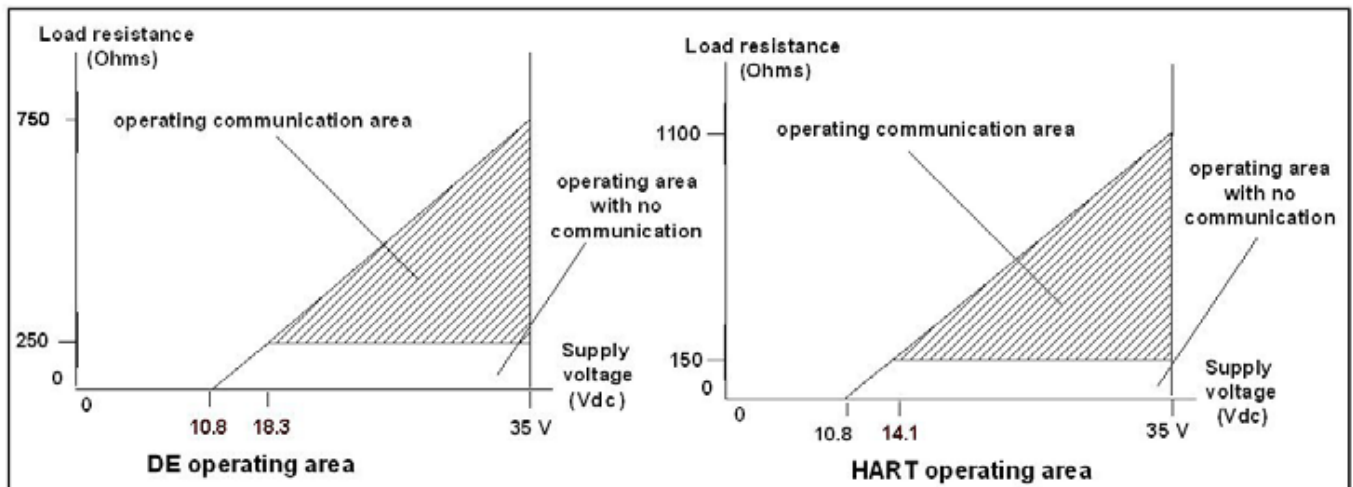


Figure 1: Operating Areas

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Благовещенск (4162)22-76-07
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Владикавказ (8672)28-90-48
Владимир (4922)49-43-18
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
Коломна (4966)23-41-49
Кострома (4942)77-07-48
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курган (3522)50-90-47
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
Ноябрьск(3496)41-32-12

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
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саранск (8342)22-96-24
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

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
Томск (3822)98-41-53
Тула (4872)33-79-87
Тюмень (3452)66-21-18
Улан-Удэ (3012)59-97-51
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Чебоксары (8352)28-53-07
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +7(7172)727-132

Киргизия +996(312)96-26-47

сайт: www.honeywell.nt-rt.ru || эл. почта: hwn@nt-rt.ru