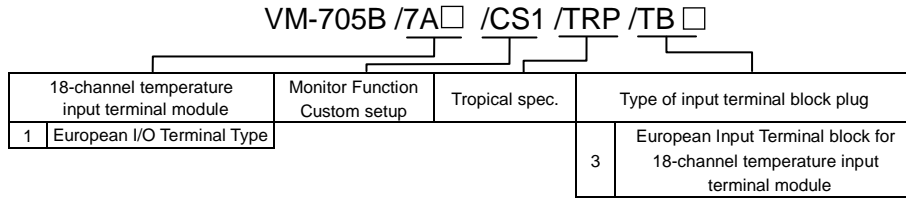


Model Code / Additional Spec. Code (No entry if additional spec. code is not specified.)



Specification

INPUT

Input points : 18 points
 Input impedance : more than 1MΩ (Thermo-couple)
 Input transducer : Thermo-couple (Type E, Type J, Type K, Type T)
 100Ω 3wireRTD (R100/R0 =1.3851)
 100Ω 4wireRTD (R100/R0 =1.3851)

MONITOR RANGE

Thermo-couple (Type E) : -200°C to 990°C
 Thermo-couple (Type J) : -140°C to 1190°C
 Thermo-couple (Type K) : -200°C to 1362°C
 Thermo-couple (Type T) : -200°C to 390°C
 100Ω RTD : -200°C to 850°C

MEASURE LIMIT

Thermo-couple (Type E) : -270°C to 1000°C
 Thermo-couple (Type J) : -210°C to 1200°C
 Thermo-couple (Type K) : -270°C to 1372°C
 Thermo-couple (Type T) : -270°C to 400°C
 100Ω RTD : -200°C to 850°C

COLD JUNCTION COMPENSATION SENSOR (RJC)

Attachment : No installation required (Built-in chip)

MEASURE

Mode : Direct, Composite, Differential
 Direct : Direct temperature
 Composite : Average temperature of the selected input channel
 (If the number of the selected input channel is one,
 the value of Composite is the same as Direct.)
 Differential : Temperature difference obtained by subtracting
 Composite from Direct

Note)

- Composite and Differential can be enabled/disabled by the setting.
- Input channels to be selected for Composite can be set by the channel, but they must be from the same slot.
- To the recorder output and the output via Modbus communication, users can assign one of the modes above.

OUTPUT

Indicator : ACTIVE LED (Green)
 On : Normal
 Flash : The 18-Channel Temperature Input Module is not installed properly
 OK LED (Green)
 On : Normal
 Flash : When OK alarm occurs
 (When an OK alarm is output in any of channels 1 through 18.)
 Burnout function : Down scale Zero(Zero value)
 Up scale +110% or more
 Contact output : None
 ※ By using the VM-721B or VM-722B Relay Module, contact signals output from the relay can be output from the contact output terminal block on the instrument rack.

ALARM

Alarm set point : Up to 4 points for each channel, each mode, from 0 to 100% of monitor range, field changeable.
 H-DANGER, H-ALERT, L-ALERT, L-DANGER
 Alarm set accuracy : ± (0.2% of F.S. +1digit) or less at 25°C
 Alarm set repeatability : ±1digit or less at 25°C
 Alarm delay time : 0 to 99sec (0.1 sec step, field changeable)
 Alarm reset : AUTO-RESET or SELF-HOLD field changeable.

BYPASS

First Low Alarm Bypass function : Suppress low alarm when low alarm is detected for the first time after turning on the power
 Danger bypass : Block off alarm output (DANGER)
 Channel bypass : Block off alarm output (DANGER, ALERT, OK and indication values)

ENVIRONMENTAL CONDITION

Operating temperature : 0 to +65°C
 Storage temperature : -30 to +85°C
 Relative humidity : 20 to 95%RH (non-condensing)

Specification

18-CHANNEL TEMPERATURE MONITOR MODULE

POWER CONSUMPTION

Module : Less than 15W

MATERIAL AND FINISH

Face plate : ABS (Black)
Sheet : Polyester tough top (Gray)
Base plate : Aluminium alloy (Silver)

MASS

Body : Max. 1.0kg (2.2lb)

18-CHANNEL TEMPERATURE INPUT MODULE

POWER CONSUMPTION

Module : Less than 15W

MATERIAL AND FINISH

Base plate : ZAM (Silver)

MASS

Body : Max. 1.0kg (2.2lb)

ACCESSORY SPECIFICATION CODE / IDENTIFIED BY TB3

Code	Accessory	Quantity (Part Code)
/TB3	Transducer input terminal plug (15pin) FMC-1,5/15-ST-3,5-RF (PHOENIX CONTACT)	6pieces *1 (7072NAW)

Note)*1 When individually ordering specify the parts code,it is require to arrange for a necessary amount.



WARNING

Some functions may not be available with old version.
For details, please refer to "infiSYS Family Improvement Information" (6H16-011).

Default Value

INPUT

Input points : 18 points
Input transducer : 100Ω 3-wire RTD (R100/R0=1.3851)
Monitor range : 0 to 200°C

MEASURE

Mode : Direct only

ALARM

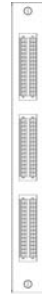
Alarm(Direct)
H-DANGER set point : 160°C
H-ALERT set point : 120°C
L-ALERT set point : None
L-DANGER set point : None
Alarm delay time : 3sec (DANGER, ALERT)
Alarm reset : AUTO-RESET

OTHERS

Initial low alarm bypass : OFF
First out : OFF
Timed OK channel defeat : ON
Burnout(Direct) : Downscale 0%

Plug/ Terminal Block (Connector) Pin Assignment

18-Channel temperature input module



Transducer Input Terminal Block

Back of Instrument Rack	Plug/ Terminal Block (Connector) Pin Assignment		Fitting Plug	Part Code																																																												
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Note1) For the accessory specification code "/TB3", the fitting terminal block plugs are included.

Note2) When individually ordering specify the parts code, it is require to arrange for a necessary amount.