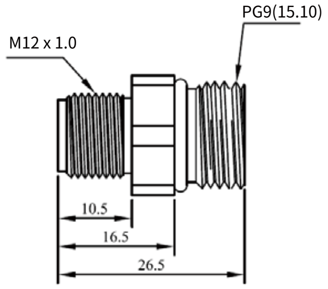
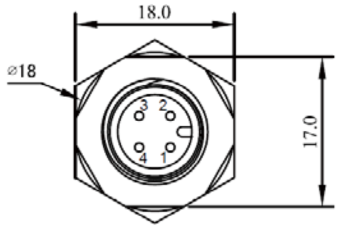
| Electric Connector |

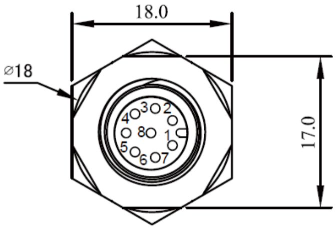
Unit：mm


PG9(15.10)
M12 x 1.0
10.5
16.5
26.5

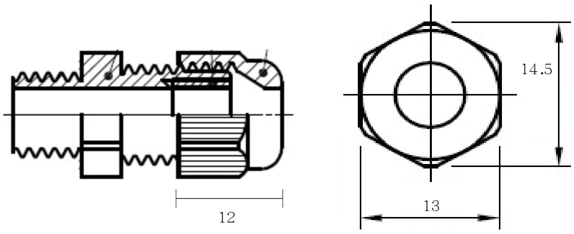
【M type(M12-4PIN metal connector)】
RS-485 or analog


18.0
⌀18
17.0
3
2
4
1

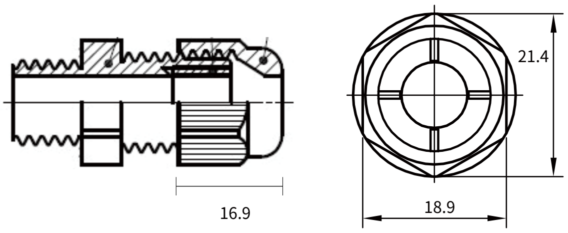
【N type(M12 cable gland)】
RS-485 or analog


18.0
⌀18
17.0
4
3
2
8
1
5
6
7

【M type(M12-8PIN metal connector)】
RS-485+analog

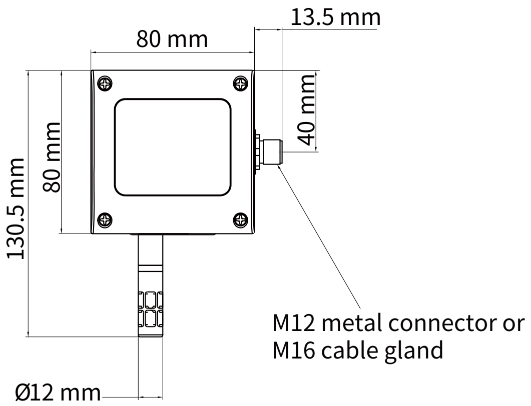


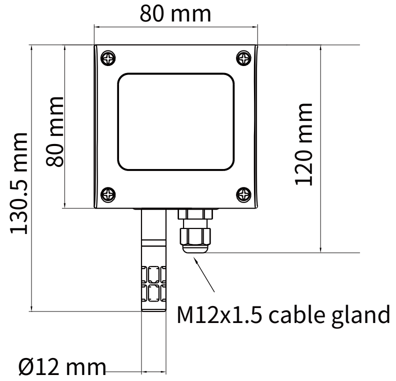
【N type(M16 cable gland)】RS-485+analog



| Dimension |

【THS301 Wall type】


80 mm
13.5 mm
40 mm
80 mm
130.5 mm
M12 metal connector or
M16 cable gland
Ø12 mm

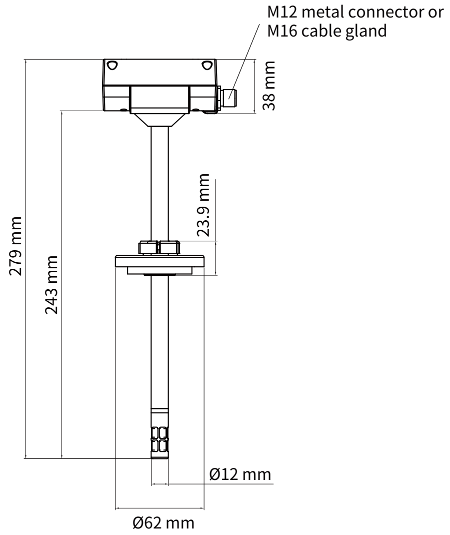

80 mm
130.5 mm
80 mm
120 mm
M12x1.5 cable gland
Ø12 mm

M type(4P)：RS-485 or analog
M type(8P)or N type：RS-485 + analog

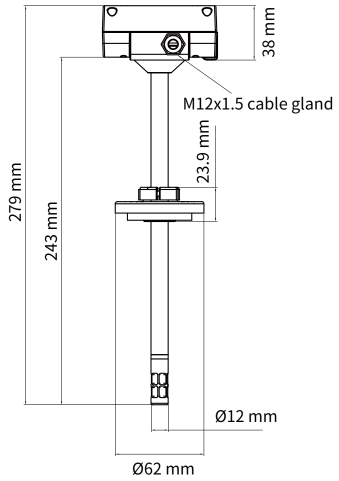
N type：RS-485 or analog

| Dimension |

【THS302(Duct)-PC probe、Standard plastic flange】

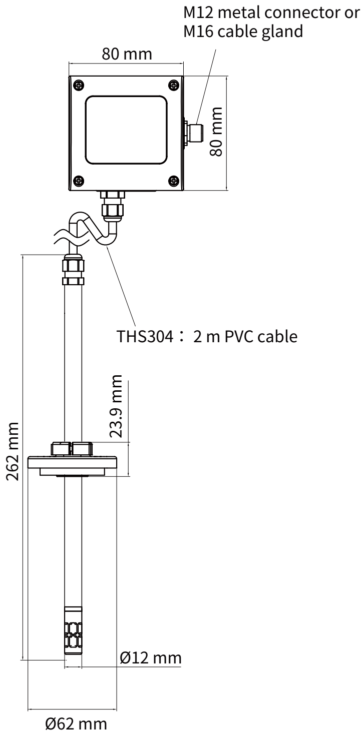

M12 metal connector or
M16 cable gland
38 mm
23.9 mm
279 mm
243 mm
Ø12 mm
Ø62 mm

M type(4P)：RS-485 or analog
M type(8P)or N type：RS-485+analog

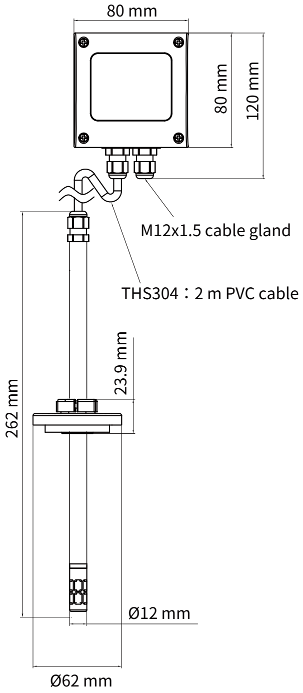

38 mm
M12x1.5 cable gland
23.9 mm
279 mm
243 mm
Ø12 mm
Ø62 mm

N type：RS-485 or analog

【THS304(Remote)-PC probe+2 m PVC-Standard：Plastic flange】


M12 metal connector or
M16 cable gland
80 mm
80 mm
THS304： 2 m PVC cable
23.9 mm
262 mm
Ø12 mm
Ø62 mm

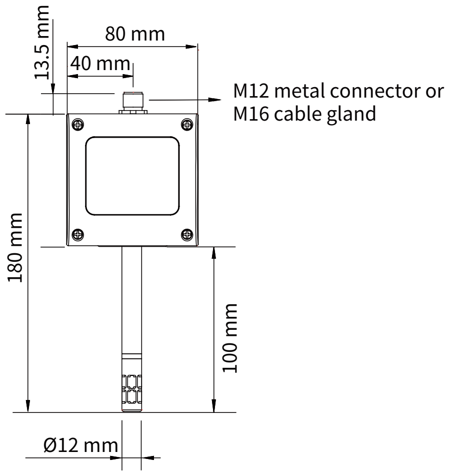
M type(4P)：RS-485 or analog
M type(8P)or N type：RS-485+ analog


80 mm
80 mm
120 mm
M12x1.5 cable gland
THS304：2 m PVC cable
23.9 mm
262 mm
Ø12 mm
Ø62 mm

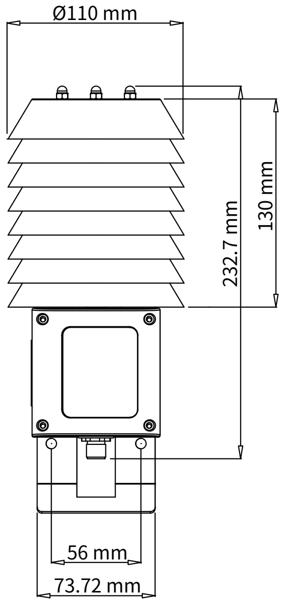
N type：RS-485 or analog

| Dimension |

【THS307(Outdoor)-PC probe+shield】

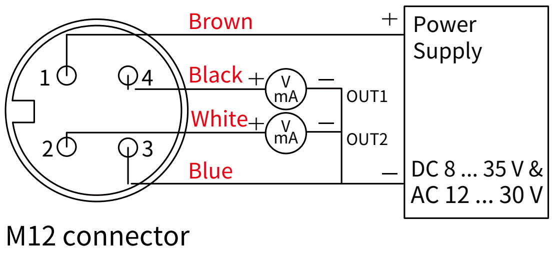

13.5 mm
80 mm
40 mm
M12 metal connector or
M16 cable gland
180 mm
100 mm
Ø12 mm

M or N type：RS-485+analog

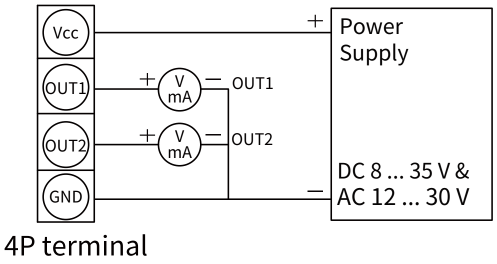

Ø110 mm
232.7 mm
130 mm
56 mm
73.72 mm

N type：RS-485 or analog

| Analog Diagram |

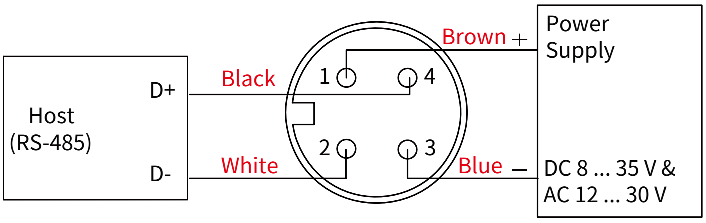

Brown
Black
White
Blue
1
4
2
3
+
V
mA
–
OUT1
OUT2
Power
Supply
DC 8 ... 35 V &
AC 12 ... 30 V
M12 connector

M type(4P)

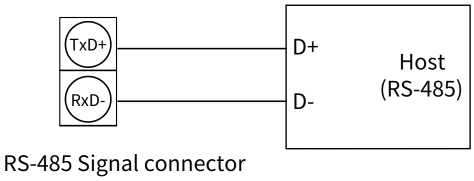

Vcc
OUT1
OUT2
GND
+
–
V
mA
OUT1
OUT2
Power
Supply
DC 8 ... 35 V &
AC 12 ... 30 V
4P terminal

N type

| RS-485 Diagram |


Host
(RS-485)
D+
D-
Black
White
1
4
2
3
Brown +
Blue –
Power
Supply
DC 8 ... 35 V &
AC 12 ... 30 V

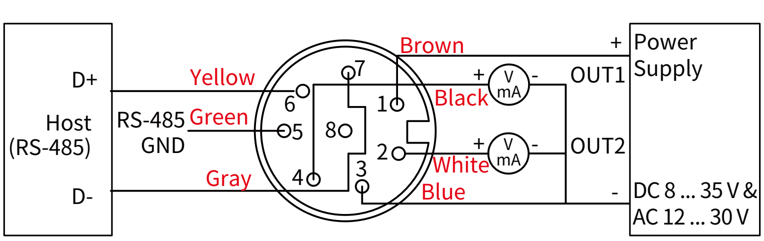
M type(4P)


TxD+
RxD-
D+
D-
Host
(RS-485)
RS-485 Signal connector

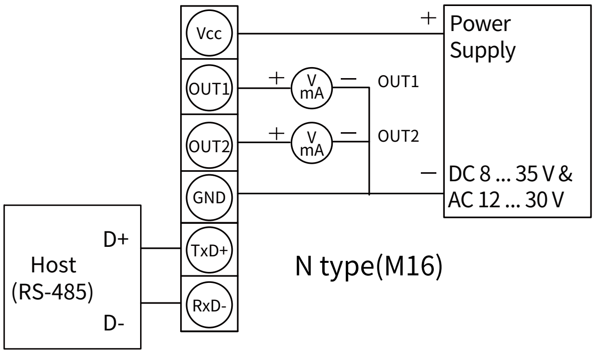
N type

※When output of ordering code is RS-485(without analog), RS-485 diagram of default setting is M type.

| Analog + RS-485 Diagram |


Host
(RS-485)
D+
D-
RS-485
GND
Yellow
Green
Gray
6
7
5
8
4
3
1
2
Brown
Black
White
Blue
+
V
mA
-
OUT1
OUT2
+
-
Power
Supply
DC 8 ... 35 V &
AC 12 ... 30 V

M type(8P)


Vcc
OUT1
OUT2
GND
TxD+
RxD-
+
V
mA
–
OUT1
OUT2
Power
Supply
DC 8 ... 35 V &
AC 12 ... 30 V
Host
(RS-485)
D+
D-

N type(M16)

| Ordering Guide |

THS30 4 - T 30 1 H 00 1 - D M P 2 U

Installation (4)
- 1：Wall type
- 2：Duct(PC probe)
- 4：Remote(PC probe, PVC cable)
- 7：Outdoor(PC probe, shield)

Physical quantity output 1 (T)
- T：Temperature
- N：RS-485(Default temperature)

Physical quantity scale 1 (30)
- 30：0 ... 50°C
- 38：0 ... 80°C
- 13：-20 ... +40°C
- 14：-40 ... +60°C
- YY：Special range

Signal output 1 (1)
- 1：4 ... 20 mA
- 6：0 ... 10 V
- 9：RS-485

Physical quantity output 2 (H)
- H：Humidity
- N：RS-485(Default humidity)

Physical quantity output 2 (00)
- 00：0 ... 100%RH

Signal output 2 (1)
- 1：4 ... 20 mA
- 6：0 ... 10 V
- 9：RS-485

Display (D)
- D：Yes
- X：No

Electrical connector (M)
- N：Plastic cable gland
- M：M12 metal connector(with 2 m cable)

Filter (P)
- P：PC membrane filter(Standard：PC probe)
- S：Sintered filter(Standard：S.S. probe)

Remote Cable Length (2)
- 2：Standard 2 m PVC cable
- 5：5 m PVC cable

Other request (U)
- W：Other request (Quote as demand)
- U：RS-485 + analog

| Additional Option Test Report |

For more detailed information please contact us.

■ILAC / TAF

YUDEN-TECH CO.,LTD. Calibration Laboratory - (ILAC / TAF) Test report.
(TAF accreditation：3032, complying with ISO / IEC 17025) TAF has mutual recognition arrangement with ILAC MRA

Project	Measurand level or range
Hygrometer	Temperature：0°C ... 69.5°C
	Humidity：10% ... 95%

■ISO 9001

Project	Measurand level or range
Temperature and Humidity	Temperature：0°C ... 200°C
	Humidity：0.1% ... 99.8%