Signal Converter (USB to RS485/UART)
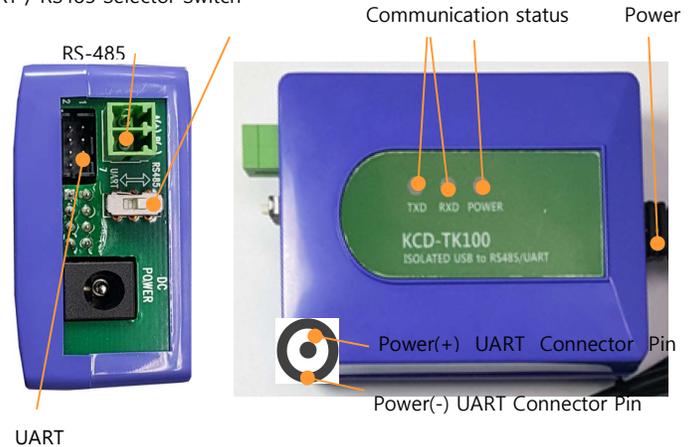# KCD-TK100

SENSECUBE

■ Features

● Electric insulation structure.
Electrical insulation, 2.5kV

● Available with 'SENCECUBE' & 'Logging Program'

- Sensecube Logger Program SR100
- Application Model
  KCD-HP Series
  KCD-AN Series
  KCD-ON310
  PE300

● Example of application
- Long-term data collection and analysis,
- System Network

●. For more information of specification changes & any inquiry, please contact us.

● It may change Appearance & specifications are subject to change to improve quality without prior notice.

● Please refer to be our website for the most up-to-date information.
(www.sensecube.com)

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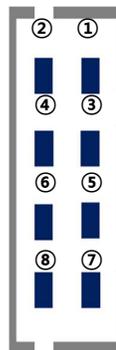## ● Specification

Communication	① RS-485
	   5V 2 Wire (RS485+, RS485-)
	② UART (Universal asynchronous receiver-transmitter)
	   3.3 ~5V TTL
	※ ① or ② : Selection
	   ①② : Concurrent use is not supported .

Communication Speed	Baud rate ~115,200bps
Insulation Voltage	2.5 kV
Use Cercumstance	Temp -20 ~ 70 ℃ Humidity 98%RH, (Under Non-condensation)
Dimension	Body 51mm x 85mm x Height 30mm Cable 1.5m
Weight	Around 100g

Sensor Dimension

UART / RS485 Selector Switch

RS-485

Communication status   Power

TXD RXD POWER

KCD-TK100
ISOLATED USB to RS485/UART

Power(+) UART Connector Pin

Power(-) UART Connector Pin

UART

● UART connector specification

② ①
④ ③
⑥ ⑤
⑧ ⑦

* UART Harness connector
Connector YDH 200-8 / Terminal YST 200

① 5V Out   ② GND
③ TXD   ④ RXD
⑤ RTS   ⑥ DTR
⑦ Ext. Power   ⑧ N.C.