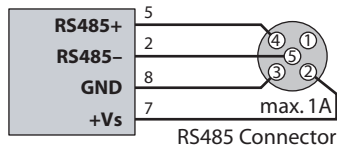


Sonic Anemometers

Wilmers 0256 - Thies 4.3830.21.400 (unheated 3D Sonic)



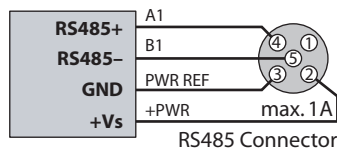
Output Signal
RS485 half-duplex
19.200 baud, 8N1
ID = 00

Expert Setup

Input: RS485
Poll Command: 00TR5\r
Functions: vWindX (m/s) = b1
vWindY (m/s) = b2
vWindZ (m/s) = b3
TempSonic (°C) = b4

(replace ID and baud rate by individual ID from factory certificate)

Wilmers 0258 - R.M.Young 81000 (3D Sonic)



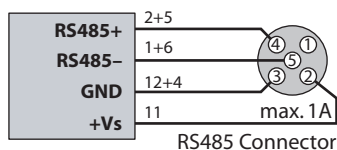
Output Signal
RS485 half-duplex
19.200 baud, 8N1
polled ASCII mode
ID = S

Expert Setup

Input: RS485
Poll Command: MS!
Functions: vWindX (m/s) = b1
vWindY (m/s) = b2
vWindZ (m/s) = b3
SpeedOfSound (m/s) = b4
TempSonic (°C) = b5

(replace ID and baud rate by individual sensor settings)

Gill Sonic 1561-PK-020 (3D Sonic)



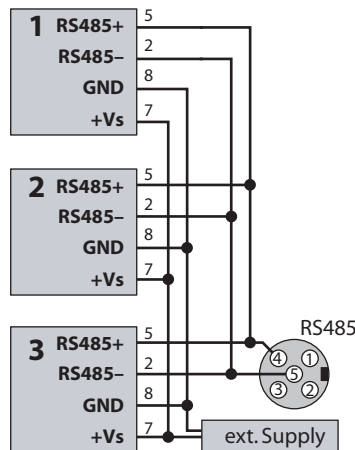
Output Signal
RS485 half-duplex
19.200 baud, 8N1
polled ASCII mode
ID = Q

Expert Setup

Input: RS485
Poll Command: \r?Q
Functions: vWindX (m/s) = b1
vWindY (m/s) = b2
vWindZ (m/s) = b3
SpeedOfSound (m/s) = b4
TempSonic (°C) = b5

(replace ID and baud rate by individual sensor settings)

3 x Wilmers 0255 - Thies 4.3820.xx.400 (heated 2D Sonic)

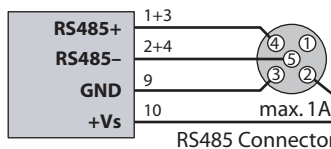


Output Signal
RS485 half-duplex
19.200 baud, 8N1
IDs = 01, 02, 03

Expert Setup

Input: RS485
Poll Commands: 01TR2\r
02TR2\r
03TR2\r
Functions: vSonic1 (m/s) = b1
DirSonic1(°) = (b2 + 0) % 360
TempSonic1 (°C) = b3
vSonic2 (m/s) = c1
DirSonic2(°) = (c2 + 0) % 360
TempSonic2 (°C) = c3
vSonic3 (m/s) = d1
DirSonic3(°) = (d2 + 0) % 360

METEK uSonic-3 Sci (unheated 3D Sonic)



Output Signal
RS485 half-duplex
19.200 baud, 8N1
polled ASCII mode
ID = 001

Expert Setup

Input: RS485
Poll Command: #001#AA\r (optionally \?Q\r\n)
Functions: vHorizontal (m/s) = b2 / 100
DirHorizontal (deg) = b3
vVertical (m/s) = b4 / 100
TempSonic (°C) = b5 / 100

(replace ID and baud rate by individual sensor settings)

Data Logger blueberry COMPACT: RS485 Setup Menu

RS485 Setup			
Default Baudrate	19200		
Character Delay	no delay		
Poll Delay	50 ms		
Timeout	0.5 s		
Retry	off		
Error Detection	off		
Poll Commands (test)			
Command	Baudrate	Data Format	CRC Check
Poll Command Q\r\n	default	decimal	off
Poll Command #100 s3s9%	default	decimal	off
add new:			
Poll Command	default	decimal	off

Further infos about the
blueberry COMPACT:



For further details please see the data logger manual or visit <http://wilmers.com/blueberry-compact>.

File: 0141-blueberry-COMPACT-Sensor Connections-(Sonic Anemometers)

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