

The following commands and parameters are valid from style number S10.

### **AO** Assigns the measurement/computation/communication input channel to the retransmission channel.

- Mode Operation mode  
Setting AOp1, p2<terminator>  
p1 Retransmission terminal number (stand-alone model: 001 to 060, expandable model: 001 to 560)  
p2 Measurement/computation/communication input channel number  
OFF: 0.05 V or less or 0.15 mA or less  
001 to 560: Measurement channel (stand-alone model: 001 to 060)  
A01 to A60: Computation channel (stand-alone model: A01 to A30)  
C01 to C60: Communication input channel (stand-alone model: C01 to C30)  
Example Retransmit the measured data of measurement channel 245 from the retransmission terminal 05 of subunit 1.  
AO105, 245  
Comments
- If a retransmission terminal that is not recognized by the system is specified, an error occurs.
  - If a measurement channel that is not recognized by the system is specified, an error occurs.
  - If the optional computation function is not available and a computation channel is specified, an error occurs.
  - If the communication module is not recognized by the system and a communication input channel is specified, an error occurs.

### **YO** Sets the time constant of the retransmission.

- Mode Setup mode  
Setting YOp1<terminator>  
p1 Time constant (0 to 9)  
Example Set the time constant to 6.  
YO6  
Comments
- The relationship between the specified value and the time constant is as follows.

Value	Time Constant (ms)	Value	Time Constant (ms)
0	4	5	250
1	12	6	500
2	28	7	950
3	60	8	1750
4	125	9	3000

However, the time constant is the value that is applicable when the voltage or current changes from 1 V to 5 V or from 4 mA to 20 mA, respectively. If the amount of change is small, the time constant may be smaller than the value specified.

#### **XS command (page 6-12)**

Add "OUTPUT" (assignment of the measurement/computation/communication input channel to the retransmission channel) to parameter p1 of the XS command

#### **CM command (Page 6-11)**

This command is valid when the optional computation function is available and when the retransmission module is connected.

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## XZcommand (Page 6-14)

Add the following calibration of the retransmission module.

### ***Calibrating while checking the output value of the retransmission module***

XZp1, p2, p3, p4, p5, p6<terminator>

- p1 Subunit number (0 to 5)
- p2 Slot number (0 to 5)
- p3 CAL/EXEC
- p4 Output terminal number (01 to 10 for DT500-11 and 01 or 02 for DT500-2)
- p5 Output selection (ZERO or FULL)
- p6 Calibration value

### ***Calibrating using a predetermined calibrated value***

XZ p1, p2, p3, . . . , p23<terminator>

- p1 Subunit number (0 to 5)
- p2 Slot number (0 to 5)
- p3 DISPLAY
- p4 Zero calibration value for output terminal number 1
- p5 Full calibration value for output terminal number 1
- p6 Zero calibration value for output terminal number 2
- p7 Full calibration value for output terminal number 2
- p8 Zero calibration value for output terminal number 3
- p9 Full calibration value for output terminal number 3
- p10 Zero calibration value for output terminal number 4
- p11 Full calibration value for output terminal number 4
- p12 Zero calibration value for output terminal number 5
- p13 Full calibration value for output terminal number 5
- p14 Zero calibration value for output terminal number 6
- p15 Full calibration value for output terminal number 6
- p16 Zero calibration value for output terminal number 7
- p17 Full calibration value for output terminal number 7
- p18 Zero calibration value for output terminal number 8
- p19 Full calibration value for output terminal number 8
- p20 Zero calibration value for output terminal number 9
- p21 Full calibration value for output terminal number 9
- p22 Zero calibration value for output terminal number 10
- p23 Full calibration value for output terminal number 10

Comments • For DT500-21, parameters p8 and beyond are invalid.