# 3522-50 Command compatibility table

Note: For details on each command, be sure to check the HTML communication instruction manual and communication instruction manual for 3522-50.

Compatibility ON : Compatibility operation is executed only when the compatibility mode is ON (COMMand:COMPatible ON)

| 3522-50 | IM3533 (-01), IM3590 | | IM3523 | |
|---|---|---|---|---|
| Command | Remarks (Operation when compatibility is ON) | Compatibility | Remarks (Operation when compatibility is ON) | Compatibility |
| Compatibility mode | | | | |
| :COMMand:COMPatible <ON/OFF> | When compatibility is set to ON, the system is initialized to MEASITEM5,0 (Z, θ), and the measurement conditions are copied from AC to DC | | When compatibility is set to ON, the system is initialized to MEASITEM5,0 (Z, θ), and the measurement conditions are copied from AC to DC | |
| Common commands | | | | |
| *CLS | | | | |
| *ESE | | | | |
| *ESE? | | | | |
| *ESR? | | | | |
| *IDN? | | | | |
| *OPC | | | | |
| *OPC? | | | | |
| *RST | | | | |
| *SRE | | | | |
| *SRE? | bit 2, 3 are added | | bit 2, 3 are added | |
| *STB? | bit 2, 3 are added | | bit 2, 3 are added | |
| *TRG | | | | |
| *TST? | Meaning of the response differs | | Meaning of the response differs | |
| *WAI | | | | |
| Display | | | | |
| :APPLication:DISPlay:LIGHt | | | | |
| :APPLication:DISPlay:LIGHt? | | | | |
| :APPLication:DISPlay:MONItor | No function (command discarded) | | No function (command discarded) | |
| :APPLication:DISPlay:MONItor? | No function (ON response in all cases) | | No function (ON response in all cases) | |
| Average | | | | |
| :AVERaging | Also set for DC | | Set to all ranges of AC and DC | |
| :AVERaging? | | | Response: Setting of the current range | |
| Beep | | | | |
| :BEEPer:COMParator | | | | |
| :BEEPer:COMParator? | | | | |
| :BEEPer:KEY | | | | |
| :BEEPer:KEY? | | | | |
| DC bias | | | | |
| :BIAS | Set to DCBIAS ON, 0V | | No function (command discarded) | |
| :BIAS? | | | No function (ON response in all cases) | |
| Comparator | | | | |
| :COMParator | | | | |
| :COMParator? | | | | |
| :COMParator:FLIMit:ABSolute | | | | |
| :COMParator:FLIMit:ABSolute? | | | | |
| :COMParator:FLIMit:DEViation | | | | |
| :COMParator:FLIMit:DEViation? | | | | |
| :COMParator:FLIMIt:MODE | | | | |
| :COMParator:FLIMIt:MODE? | | | | |
| :COMParator:FLIMit:PERcent | | | | |
| :COMParator:FLIMit:PERcent? | | | | |
| :COMParator:SLIMit:ABSolute | | | | |
| :COMParator:SLIMit:ABSolute? | | | | |
| :COMParator:SLIMit:DEViation | | | | |
| :COMParator:SLIMit:DEViation? | | | | |
| :COMParator:SLIMIt:MODE | | | | |
| :COMParator:SLIMIt:MODE? | | | | |
| :COMParator:SLIMit:PERcent | | | | |
| :COMParator:SLIMit:PERcent? | | | | |
| Compensation | | | | |
| :CORRection:DATA? | No function (command error) | | No function (command error) | |
| :CORRection:OPEN | Frequency setting range: 1.000E-03 to 200.00E+03 | | Frequency setting range: 40.000 to 200.00E+03 | |
| :CORRection:OPEN? | | | | |
| :CORRection:SHORt | Frequency setting range: 0, 1.000E-03 to 200.00E+03 | | Frequency setting range: 0, 40.000 to 200.00E+03 | |
| :CORRection:SHORt? | | | | |
| Monitor value | | | | |
| :DISPlay:MONItor? | Response: DC monitor value during DC measurement, AC monitor value in other cases | | Response: DC monitor value during DC measurement, AC monitor value in other cases | |
| Event resister | | | | |
| :ESE0 | bit7 is added | | bit7 is added | |
| :ESE0? | bit7 is added | | bit7 is added | |
| :ESE1 | | | | |
| :ESE1? | | | | |
| :ESR0? | bit7 is added | | bit7 is added | |
| :ESR1? | | | | |
| Frequency | | | | |
| :FREQuency | Setting range: 0, 1.000E-03 to 200.00E+03 | | Setting range: 0, 40.000 to 200.0E+03 | |
| :FREQuency? | | | | |
| Header | | | | |
| :HEADer | | | | |
| :HEADer? | | | | |
| I/O | | | | |
| :IO:OUTPut:DELay | | | | |
| :IO:OUTPut:DELay? | | | | |
| :IO:RESult:RESet | | | | |
| :IO:RESult:RESet? | | | | |
| Level | | | | |
| :LEVel | | | | |

| | | | | |
|---|---|---|---|---|
| :LEVel? | | | | |
| :LEVel:CCURRent | Setting range: 0.01E-03 to 50.00E-03 | | Setting range: 0.01E-03 to 50.00E-03 | |
| :LEVel:CCURRent? | | | | |
| :LEVel:CVOLTage | | | | |
| :LEVel:CVOLTage? | | | | |
| :LEVel:VOLTage | | | | |
| :LEVel:VOLTage? | | | | |
| Limit | | | | |
| :LIMiter | | | | |
| :LIMiter? | | | | |
| :LIMiter:CURRent | Initial value: 100 mA | | Setting range: 0.01E-03 to 50.00E-03 | |
| :LIMiter:CURRent? | | | | |
| :LIMiter:VOLTate | | | | |
| :LIMiter:VOLTate? | | | | |
| Panel load | | | | |
| :LOAD | | | | |
| Measurement data | | | | |
| :MEASure? | | | | |
| :MEASure:ITEM | Bits after Rdc are invalid | | Bits after Rdc are invalid | |
| :MEASure:ITEM? | | | | |
| Parameter | | | | |
| :PARameter# (# refers to a value from 1 to 4) | During DC measurement, Rs,Rp is accepted as Rdc | | #2, 3, 4 are accepted as sub-parameters, during DC measurement, Rs,Rp is accepted as Rdc | |
| :PARameter#? (# refers to a value from 1 to 4) | | | #2, 3, 4 are accepted as sub-parameters | |
| :PARameter#:DIGit | | | #2, 3, 4 are accepted as sub-parameters | |
| :PARameter#:DIGit? | | | #2, 3, 4 are accepted as sub-parameters | |
| Range | | | | |
| :RANGe | Also set for DC | | Also set for DC | |
| :RANGe? | | | | |
| :RANGe:AUTO | Also set for DC | | Also set for DC | |
| :RANGe:AUTO? | | | | |
| Panel save | | | | |
| :SAVE | Up to 20 characters can be accepted as a panel name (first 10 characters are valid) | | Up to 20 characters can be accepted as a panel name (first 10 characters are valid) | |
| :SAVE? | | | | |
| Scaling | | | | |
| :SCALe | | | | |
| :SCALe? | | | | |
| :SCALe:FVALue | | | | |
| :SCALe:FVALue? | | | | |
| :SCALe:SVALue | | | | |
| :SCALe:SVALue? | | | | |
| Speed | | | | |
| :SPEED | Also set for DC | | Set to all ranges of AC and DC | |
| :SPEED? | | | Response: Setting of the current range | |
| Terminator | | | | |
| :TRANsmit:TERMinator | | | | |
| :TRANsmit:TERMinator? | | | | |
| Trigger | | | | |
| :TRIGger | | | | |
| :TRIGger? | | | | |
| :TRIGger:DELAy | | | Set to all ranges | |
| :TRIGger:DELAy? | | | Response: Setting of the current range | |
| User ID | | | | |
| :USER:IDENtity | No function (discarded) | | No function (discarded) | |
| :USER:IDENtity? | No function ("HIOKI3522" response in all cases) | | No function ("HIOKI3522" response in all cases) | |