

Table 3-9A. 3456A Program Codes.

| | Control | Program Code |
|-------------------------|-----------------------------------|--------------|
| FUNCTION | Shift Function Off (Unshifted) | S0 |
| | DCV | F1 |
| | ACV | F2 |
| | ACV + DCV | F3 |
| | 2 Wire K Ohms | F4 |
| | 4 Wire K Ohms | F5 |
| | Shift Function On (Shifted) | S1 |
| | DCV/DCV Ratio | F1 |
| | ACV/DCV Ratio | F2 |
| | ACV + DCV/DCV Ratio | F3 |
| | O.C. 2 Wire K Ohms | F4 |
| | O.C. 4 Wire K Ohms | F5 |
| RANGE | Auto | R1 |
| | 100 mV or .1 K Ohms | R2 |
| | 1000 mV or 1 K Ohms | R3 |
| | 10 V or 10 K Ohms | R4 |
| | 100 V or 100 K Ohms | R5 |
| | 1000 V or 1 M Ohms | R6 |
| | 10 M Ohms | R7 |
| | 100 M Ohms | R8 |
| | 1000 M Ohms | R9 |
| TRIGGER | Internal | T1 |
| | External | T2 |
| | Single | T3 |
| | Hold | T4 |
| AUTOZERO | On | Z1 |
| | Off | Z0 |
| FILTER | On | FL1 |
| | Off | FL0 |
| TEST | On | TE1 |
| | Off | TE0 |
| REGISTERS | Storing into Registers | ST |
| | Recalling Registers | RE |
| | Number of Readings | N |
| | Number of Digits Displayed | G |
| | Number of Power Line Cyc. Int. | I |
| | Delay | D |
| | Mean Register (Read only) | M |
| | Variance Register (Read only) | V |
| | Count Register (Read only) | C |
| | Lower Register | L |
| | R Register | R |
| | Upper Register | U |
| | Y Register | Y |
| | Z Register | Z |
| MATH | Off | M0 |
| | Pass/Fail | M1 |
| | Statistic (Mean, Variance, Count) | M2 |
| | Null | M3 |
| | dBm | M4 |
| | Thermistor ($^{\circ}$ F) | M5 |
| | Thermistor ($^{\circ}$ C) | M6 |
| | Scale $[(X - Z)/Y]$ | M7 |
| | %Error $[(X - Y)/Y \times 100]$ | M8 |
| | dB $(20 \log X/Y)$ | M9 |
| READING STORAGE | On | RS1 |
| | Off | RS0 |
| SYSTEM OUTPUT MODE | On | SO1 |
| | Off | SO0 |
| DISPLAY | On | D1 |
| | Off | D0 |
| OUTPUT FORMAT | Packed Format On | P1 |
| | Packed Format Off (ASCII Format) | P0 |
| CLEAR-CONTINUE | Active | CL1 |
| NUMERIC SEPARATOR | Separates Numbers (e.g. F1W10STN) | W |
| HOME COMMAND | Software Reset | H |
| FRONT/REAR SWITCH SENSE | 1 = Front, 0 = Rear | SW1 |
| EOI | Enable | O1 |
| | Disable | O0 |
| PROGRAM MEMORY | Load Program (Syntax) On | L1 |
| | Load Program (Syntax) Off | Q |
| | Execute Program Memory | X1 |