

# ADT226 Multifunction Process Calibrators & ADT227 Documenting Multifunction Process Calibrators



## Selection Guide

| Models                           |         | ADT226<br>Multifunction<br>Process Calibrator | ADT227<br>Documenting<br>Multifunction Process<br>Calibrator | ADT227-HART<br>Documenting<br>Multifunction<br>Process Calibrator | ADT226Ex<br>Multifunction<br>Process Calibrator | ADT227Ex<br>Documenting<br>Multifunction<br>Process Calibrator | ADT227Ex-HART<br>Documenting<br>Multifunction Process<br>Calibrator |
|----------------------------------|---------|---|--|---|---|--|---|
| <b>Measure</b>                   |         |   |  |   |   |  |   |
| Voltage                          | mV DC   | ±300 mV                                       | ±300 mV  | ±300 mV   | ±300 mV   | ±300 mV  | ±300 mV   |
|                                  | V DC    | ±30 V   | ±30 V  | ±30 V   | ±30 V   | ±30 V  | ±30 V   |
| High Voltage                     | V DC/AC | ±300V DC/AC                                   | ±300V DC/AC  | ±300V DC/AC   |   |  |   |
| Current (mA DC)                  |         | ±30 mA  | ±30 mA   | ±30 mA  | ±30 mA  | ±30 mA   | ±30 mA  |
| Resistance                       |         | 0 - 4000 Ω                                    | 0 - 4000 Ω   | 0 - 4000 Ω  | 0 - 4000 Ω                                      | 0 - 4000 Ω   | 0 - 4000 Ω  |
| Frequency                        |         | 0.01 - 50,000 Hz                              | 0.01 - 50,000 Hz   | 0.01 - 50,000 Hz  | 0.01 - 50,000 Hz                                | 0.01 - 50,000 Hz   | 0.01 - 50,000 Hz  |
| Pulse                            |         | 0 - 9,999,999                                 | 0 - 9,999,999  | 0 - 9,999,999   | 0 - 9,999,999                                   | 0 - 9,999,999  | 0 - 9,999,999   |
| Limit Switch                     |         | •   | •  | •   | •   | •  | •   |
| Thermocouple TC                  |         | -10 - 75 mV                                   | -10 - 75 mV  | -10 - 75 mV   | -10 - 75 mV                                     | -10 - 75 mV  | -10 - 75 mV   |
| Pressure Module Serial Ports     |         | 2   | 2  | 2   | 2   | 2  | 2   |
| <b>Source / Simulate</b>         |         |   |  |   |   |  |   |
| Voltage (V DC)                   |         | 0 - 15 V                                      | 0 - 15 V   | 0 - 15 V  | 0 - 10.5 V                                      | 0 - 10.5 V   | 0 - 10.5 V  |
| Current (mA DC)                  |         | 0 - 25 mA                                     | 0 - 25 mA  | 0 - 25 mA   | 0 - 25 mA                                       | 0 - 25 mA  | 0 - 25 mA   |
| Resistance                       |         | 0 - 4000 Ω                                    | 0 - 4000 Ω   | 0 - 4000 Ω  | 0 - 4000 Ω                                      | 0 - 4000 Ω   | 0 - 4000 Ω  |
| Frequency                        |         | 0.01 - 50,000 Hz                              | 0.01 - 50,000 Hz   | 0.01 - 50,000 Hz  | 0.01 - 50,000 Hz                                | 0.01 - 50,000 Hz   | 0.01 - 50,000 Hz  |
| Pulse                            |         | 0 - 9,999,999                                 | 0 - 9,999,999  | 0 - 9,999,999   | 0 - 9,999,999                                   | 0 - 9,999,999  | 0 - 9,999,999   |
| Thermocouple TC                  |         | -10 - 75 mV                                   | -10 - 75 mV  | -10 - 75 mV   | -10 - 75 mV                                     | -10 - 75 mV  | -10 - 75 mV   |
| <b>Recording</b>                 |         |   |  |   |   |  |   |
| Scaling                          |         | •   | •  | •   | •   | •  | •   |
| Min/Max/Avg/Tare                 |         | •   | •  | •   | •   | •  | •   |
| Hold                             |         | •   | •  | •   | •   | •  | •   |
| Task                             |         |   | •  | •   |   | •  | •   |
| On-demand Logging                |         |   | 10,000 readings  | 10,000 readings   |   | 1,000 readings   | 1,000 readings  |
| <b>Features</b>                  |         |   |  |   |   |  |   |
| Intrinsically Safe (Ex)          |         |   |  |   | •   | •  | •   |
| Color Touchscreen Display        |         | •   | •  | •   | •   | •  | •   |
| Port Protection                  |         | 50V Max                                       | 50V Max  | 50V Max   | Pi = 0.75W,<br>Ui = 30V,<br>Ii = 100mA          | Pi = 0.75W,<br>Ui = 30V,<br>Ii = 100mA                         | Pi = 0.75W,<br>Ui = 30V,<br>Ii = 100mA                              |
| Loop power                       |         | 24 V  | 24 V   | 24 V  | 20 V  | 20 V   | 20 V  |
| Ramp/step                        |         | •   | •  | •   | •   | •  | •   |
| Simulate Transmitter             |         | •   | •  | •   | •   | •  | •   |
| RTD                              |         | •   | •  | •   | •   | •  | •   |
| Thermocouple TC                  |         | •   | •  | •   | •   | •  | •   |
| Internal CJC                     |         | •   | •  | •   | •   | •  | •   |
| Bluetooth                        |         | •   | •  | •   | •   | •  | •   |
| HART Communication               |         |   |  | •   |   |  | •   |
| Full HART Communicator           |         |   |  | •   |   |  |   |
| Documenting                      |         |   | •  | •   |   | •  | •   |
| IP67 Compliance                  |         | •   | •  | •   | •   | •  | •   |
| Warranty                         |         | 3 Years                                       | 3 Years  | 3 Years   | 3 Years   | 3 Years  | 3 Years   |
| ISO 17025 Accredited Calibration |         | •   | •  | •   | •   | •  | •   |