# Manual Supplement

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| Manual Title: | 56x Users | Supplement Issue: | **2** |
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This supplement contains information necessary to ensure the accuracy of the above manual.
This manual is distributed as an electronic manual on the following CD-ROM:

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|---|---|
| CD Title: | 56x |
| CD Rev. & Date: | 12/2010 |
| CD PN: | 3833037 |



FLUKE®

# Change #1, 58989, 64912

On page 5, under ***Features***, replace the 3rd bullet with:

- Current Temperature plus MAX, MIN, DIF, temperature displays

On page 25, replace the entire ***Specification*** page with:

## *Specifications*

| Feature | 561 | 566 | 568 |
|---|---|---|---|
| **IR Temperature Range** | -40 °C to 550 °C<br>(-40 °F to 1022 °F) | -40 °C to 650 °C<br>(-40 °F to 1202 °F) | -40 °C to 800 °C<br>(-40 °F to 1472 °F) |
| **Accuracy** | <0 °C: ±(1 °C + 0.1 °/1 °C);<br>≥0 °C: ±1 % of reading or ±1 °C, whichever is greater<br><32 °F:(2 °F +0.1 °/1 °F);<br>≥32 °F: ±1 % of reading or ±2 °F, whichever is greater | | |
| **Repeatability** | ±0.5 % of reading or ±1 °C (2 °F), whichever is greater. | ±0.5 % of reading or ±0.5 °C (1 °F), whichever is greater. | |
| **Display Resolution** | 0.1 °C / 0.1 °F | | |
| **Spectral Response** | 8 to 14 μm | | |
| **Response Time (95 %)** | <500 ms | | |
| **K-Type Thermocouple Input Temperature Range** | -40 °C to 550 °C<br>(-40 °F to 1022 °F) | -270 °C to 1372 °C (-454 °F to 2501 °F) | |
| **K-Type Thermocouple Input Temperature Accuracy** | Input accuracy<br>±1 % of reading or ±2 °C (±1 % of reading or ±4 °F), whichever is greater | -270 °C to -40 °C: ±(1 °C + 0.2 °/1 °C)<br>-454 °F to -40 °F: ±(2 °F + 0.2 °/1 °F)<br>-40 °C to 1372 °C: ±1 % of reading or ±1 °C (-40 °F to 2501 °F: ±1 % of reading or ±2 °F, whichever is greater) | |
| **K-Type Thermocouple Resolution** | 1 °C /1 °F | 0.1 °C /0.1 °F | |
| **Distance:Spot (90 % energy)** | 12:1 | 30:1 | 50:1 |
| **Laser sighting** | Single laser, output <1 mW Class II, wavelength 630 to 670 nm | | |
| **Emissivity** | Lo, Med, Hi | Digitally adjustable from 0.10 to 1.00 by 0.01 or via built-in table of common materials | |
| **Data storage** | - | 20 points | 99 points |
| **Communication** | none | | USB 2.0 |
| **Operating Altitude** | 3000 meters above mean sea level | | |
| **Storage Altitude** | 12,000 meters above mean sea level | | |
| **Relative Humidity** | 10 % to 90 % RH non-condensing up to 30 °C (86 °F) | | |
| **Operating Temperature** | 0 °C to 50 °C<br>(32 °F to 122 °F) | 0 °C to 50 °C (32 °F to 122 °F) | |
| **Storage Temperature** | -20 °C to 65 °C<br>(-4 °F to 149 °F) | -20 °C to 60 °C (-4 °F to 140 °F) | |
| **Vibration** | 2.5 G, IEC 68-2-6 | | |
| **Weight** | 0.322 kg (0.7099 lb) | | |
| **Dimensions** | 17.69 cm (6.965 in) H x 16.36 cm (6.441 in) L x 5.18 cm (2.039 in) W | | |
| **Power** | 2 AA /LR6 Batteries (alkaline or NiCD) | | 2 AA /LR6 Batteries or USB connection when used with a PC |
| **Battery Life** | 12 hours with laser and backlight on; 100 hours with laser and backlight off, at 100 % duty cycle (thermometer continuously on) | | |
| **CE Certification** | EN/IEC 61326-1:2006, Class B, Criteria A<br>EN/IEC 61010-1:2001<br>EN/IEC 60825-1:2007 | | |