

Manual Supplement

Manual Title: 87 V Ex Users
Part Number: 2518115
Print Date: December 2005
Revision/Date:

Supplement Issue: **6**
Issue Date: 6/11
Page Count: 3

This supplement contains information necessary to ensure the accuracy of the above manual.

Change#1

On page 55, under, **Maximum output values at the voltage input** change:

From: $C_o = 2.52 \text{ F}$
To: $C_o = 2.52 \mu\text{F}$

Under, **Maximum output values at the current-measuring inputs** change:

From: $C_o = 1000 \text{ F}$
To: $C_o = 1000 \mu\text{F}$

Change #2, 39785

On page 52, under **Electrical Characteristics of the Terminals**, replace the Diode row with the following:

➔	1000 V rms	< 7.9 V dc	3.000 V dc	1.0 mA typical
---	------------	------------	------------	----------------

Change #3, 44008

On page 45, under **General Specifications**,

Change: **Relative Humidity:** 0 % to 80 % (0 °C to 35 °C); 0 % to 70 % (35 °C to 50 °C)

To: **Relative Humidity:** 0 % to 80 % (0 °C to 35 °C)

On page 47, under **DC Voltage, Resistance, and Conductance Function**, add the following note:

[3] Maximum of 60 % relative humidity or a maximum of 28 °C.

Under **Range**, change the following:

From: 6.000 MΩ
50.00 MΩ

To: 6.000 MΩ^[3]
50.00 MΩ^[3]

In the 60.00 nS range change the **Accuracy**,

From: $\pm (1.0 \% + 10)^{[1,2]}$

To: unspecified

Change #4, W2041055


On page 6, under **EX-Certification Data**,

Change: Ex-designation: Ex II 2 G EEx ia IIC T4

To : Ex-designation: Ex II 2 G Ex ia IIC T4

Change #5, 55377

On page 7, in Table 1 remove the following:

	Inspected and licensed by TÜV Product Services.
---	---

On page 45, under **General Specifications**, replace **Safety** with:

Safety: Meets 1000V CAT III/600V CAT IV per ANSI/ISA-61010-1 (82.02.01):2004, UL 61010-1:2004, CAN/CSA C22.2 No. 61010-1-04, and EN/IEC 61010-1:2001. The product is designed for industrial applications in areas with an increased risk of explosion in zones 2 and 1, in accordance with directive 1999/92/EC (ATEX 137).

Change #6, 58805

On page 45, under the **General Specifications**, replace **Electromagnetic Compatibility** with:

Electromagnetic Compatibility: In an RF field of 3 V/m total accuracy = specified accuracy + 20 counts

Except: 600 μ A dc range total accuracy = specified accuracy + 60 counts.

Temperature not specified.

Some mobile devices that transmit RF energy may transmit levels that far exceed 3 V/m and may damage sensitive electronic circuits. To insure the best performance, do not allow a device which is transmitting RF energy in excess of 3 V/m to be within 30 cm of the meter while in use.