Manual Supplement

Manual Title:	434-II/435-II/437-II Users	Supplement Issue:	**3**
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This supplement contains information necessary to ensure the accuracy of the above manual.

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Change #1

On page 1-4, under ***Safety Information: Read First***:

Change: IEC/EN61010-1-2001

To: IEC 61010-1

On page 24-9, Table 24-1, Power

Change: Classic, Unified

To: Classic, Unified, IEEE

On page 24-10, in ⑬ replace the second sentence with:

Parameters to be set are: four different tariff rates, cable data (length in meters/feet, Area in square millimeter or acc. to AWG/American Wire Gauge and Material Cu or Al).

On page 26-2, under **Standard Accessories**:

Change: i430-FLEXI-TF (-4PK)

To: i430-FLEXI-TF-II (-4PK)

On pages 27-5 and 27-6, replace **i430-FLEX-TF** with **i430-FLEXI-TF-II** in all occurrences.

On page 27-12, under **SAFETY** Compliance:

Change: IEC/EN61010-1-2001

To: IEC 61010-1

On page A-2, under ***The Unified Method*** add:

- Power method IEEE uses calculations according to IEEE 1459

Change #2, 127

On page 1-7, under ***Safe Use of Li-ion Battery Pack***, remove the last sentence in the paragraph:

As a result they can be shipped unrestricted internationally by any means.

Change #3, 508

On page 1-5, add the following to the **Safety** table:

CAT III	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
CAT IV	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.

On page 27-12, under **Safety**, replace Compliance with:

General Measurement	IEC 61010-1: Pollution Degree 2 IEC 61010-2-030: 600V CAT IV / 1000V CAT III

Under **Electro Magnetic Compatibility (EMC),** replace the table with:

Electromagnetic Compatibility (EMC)	
International	IEC 61326-1: Controlled Electromagnetic Environment CISPR 11: Group 1, Class A *Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.* *Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.* *Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.*
Korea (KCC)	Class A Equipment (Industrial Broadcasting & Communication Equipment) *Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.*
USA (FCC)	47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

On page 9-1, after the 2nd paragraph add:

The Dips and Swell function is a tool to identify low or high RMS values while trending at a high resolution. Due to the high RMS trend resolution, measurements that last more than 24 hours can create a large database file. For long recordings it is advised to adjust the interval.

To adjust:

1. Restart the measurement with HOLD RUN.
2. Select TIMED.

   Timed mode allows adjustment to the interval setting for an optimized RMS trend resolution.
3. Adjust the interval.

   For example, use a 10 s interval for 1 week and 1 minute interval for 30 days of recording.

The instrument continues to capture RMS values each half cycle and display trend data with maximum, minimum, and average RMS values for each interval. The Event Capture feature remains active and triggers on the same events with the same captured data results.