

Manual Supplement

Manual Title: 1735 Users
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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:

CD Title: 1735
CD Rev. & Date: 5, 4/2010
CD PN: 2583487

Change #1

On page 5, Table 2 replace the second and fourth row with the following and delete the third row:

BC1735/EELV, LOW ENERGY BATTERY CHARGER UNIVERSAL (from serial number S12xx30000B6 and higher use only this BC)	4144616
FS17X5-TF, 3000A 4-PH FLUKE 1735 & 1745 THIN FLEXI SET	3889407

On page 6, replace the Table 3 with:

Table 1. Optional Accessories

Description	Model or Part Number
i1A/10A CLAMP PQ4, 4-PHASE 1A/10A MINI CURRENT CLAMP SET FOR PQ	3024424
i5A/50A CLAMP PQ3, 3-PHASE 5A/50A MINI CURRENT CLAMP SET FOR PQ	3024436
i5A/50A CLAMP PQ4, 4-PHASE 5A/50A MINI CURRENT CLAMP SET FOR PQ	3024449
i20/200A CLAMP PQ3, 3-PHASE 20A/200A MINI CURRENT CLAMP SET FOR PQ	3024451
i20/200A CLAMP PQ4, 4-PHASE 20A/200A MINI CURRENT CLAMP SET FOR PQ	3024460
3000/6000A-TF-4, 3000A/6000A 4-PH 36-INCH THIN FLEXI SET	3889395
i1A/10A CLAMP PQ3, 3-PHASE 1A/10A MINI CURRENT CLAMP SET FOR PQ	3024413
1-PHASE 1A/10A MINI CURRENT CLAMP SET FOR PQ	3345753
1-PHASE 5A/50A MINI CURRENT CLAMP SET FOR PQ	3345766
FS17XX-1PH-TF, 3000A 1PH FLUKE 1735 & 174X THIN FLEXI	3889429

FS17XX IP65-TF, 3000A IP65 4-PH FLUKE 1743/4 THIN FLEXI SET	3889418
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Change #2, 57883

On page 58, under **Safety**, add:

Altitude: 2000 m

Change #3

On page 55, under **Waveform**, replace the equation with:

$$\varphi = \arccos \left[\frac{P_1}{\sqrt{P_1^2 + Q_1^2}} \right] = \arccos \left[\frac{P_1}{S_1} \right]$$

Or

$$\varphi = \arctan \left[\frac{Q_1}{P_1} \right]$$

On page 25, prior to *Color Coding Wire Clips*, add:

Operating Instructions

1. Connect the Probe to the 1735 via the current input socket.
2. Wear protective equipment or de-energize the circuit and place the Probe around the conductor under test. To lock the coil, see Figure 6.
3. Re-energize the circuit.
4. Observe and take measurements as required. Positive output indicates that the current flow is in the direction shown by the arrow on the Probe.
5. Wear protective gloves or de-energize the circuit before removal of the Probe.

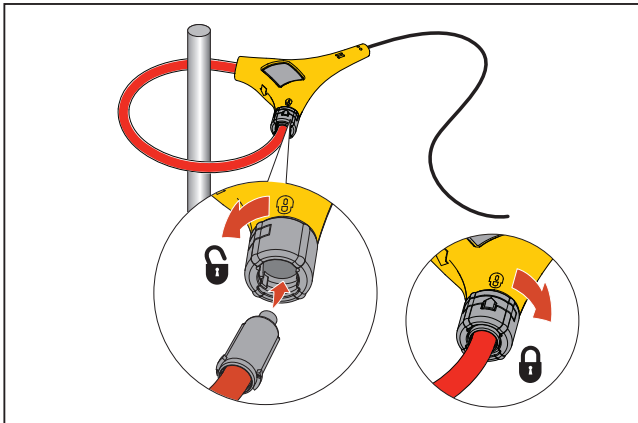


fig1.eps

Figure 6. Locking the Coil