

Manual Supplement

Manual Title: 1735 Users
Print Date: March 2006
Revision/Date: 2, 3/10

Supplement Issue: **6**
Issue Date: 9/14
Page Count: 4

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:	6, 5/13
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-II, 3000A 4-PH FLUKE 1735 & 1745 THIN FLEXI SET	4531791

On page 6, replace Table 3 with:

Table 3. Optional Accessories

Description	Model or Part Number
i1A/10A CLAMP PQ3, 3-PHASE 1A/10A MINI CURRENT CLAMP SET FOR PQ	3024413
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
FS3000/6000A-TF-4-II, 3000A/6000A 4-PH 36-INCH THIN FLEXI SET	4531828
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-II, 3000A 1PH FLUKE 1735 & 174X THIN FLEXI	4531819
FS17XX IP65-TF-II, 3000A IP65 4-PH FLUKE 1743/44 THIN FLEXI SET	4531804

Change #2, 57883

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

Altitude: 2000 m

Change #3

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

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

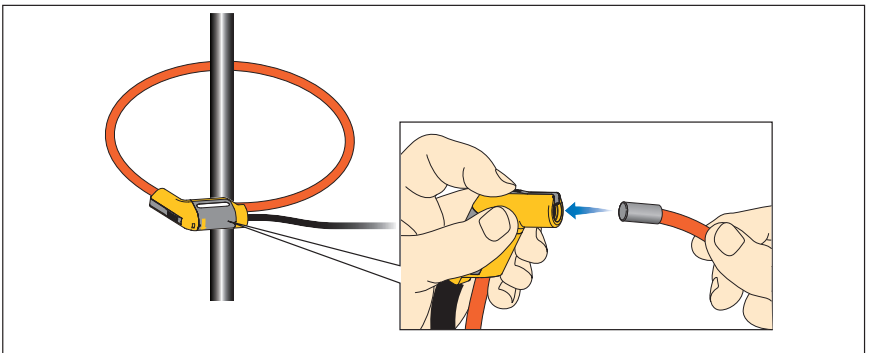
Or

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

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.



iflex.eps

Figure 6. Locking the Coil

Change #4, 66586

On page 58, replace Safety and add IP Rating:

Safety:	IEC 61010-1: Overvoltage 300 V CAT II, Pollution Degree 2 IEC 61010-2-030: 1000 V CAT II / 600 V CAT III
IP Rating	IEC 60529: IP65 (refers only to the main housing without the battery compartment)

Change #5, 34, 470

On page 14, under **Charging the Internal Battery**, add:

Note

Only operate the BC 1735 Battery Charger within the operation temperature range of the Fluke 1735 (0 °C to 40 °C).

On page 58, replace the **Power Supply** with:

Power Supply: NiMH battery-pack, with ac adapter BC 1735 (operation of ac adapter BC 1735 is only allowed within the operation temperature range of the Fluke 1735 (0 °C to 40 °C).