



**PQ-Box 100, 150 & 200 Power Quality Analyser
Clamps & Accessories**




1/10/2015

Mini Clamps:

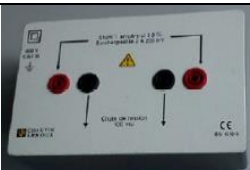




Part Number	Description	
111.7015	10 mA-to-20 A or 100 mA-to-200 A. Switchable range mini clamp. 40 Hz – 20 kHz 4 x mini clamps with PQ-Box connector.	 <p align="center">2 m cable</p>
111.7015.01	1x mini clamp for single phase measurements	
111.7035	20 mA-to-50 A clamps 4 x mini clamps with PQ-Box connector.	
111.7003 (111.70003)	100 mA-to-22 A mini clamp. 3 x mini clamps with PQ-Box 100 connector.	
111.7043 (Replaces 111.7021)	10 mA-to-5 A mini clamp. 40 Hz – 20 kHz Single clamp, with banana sockets in clamp body. Requires 111.7004 “Free Adapter Set” to connect to PQ-Box (supports up to 4 clamps). (111.7043 measures up to 5 A for PQ-Box 100’s manufactured from 1/2011 and up to 2 A for PQ-Box 100’s manufactured prior)	
111.7005	100 mA-to-200 A mini clamp. 40 Hz – 20 kHz Single clamp, with banana sockets in clamp body. Requires 111.7004 “Free Adapter Set” to connect to PQ-Box (supports up to 4 clamps).	
111.7020 111.7016	200 mA-to-60 A or 0.5 A-to-600 A DC. DC to 10 kHz clamp with RMS output. 9 V battery provides up to 50 hours operation. Single clamp, which requires 111.7004 “Free Adapter Set” to connect to PQ-Box (supports up to 4 clamps). 1.5 m cable. Note 111.7020 includes Euro power supply and two 4mm banana-joiners (4mm female-female socket) 111.7016 is clamp only 111.7018 is two banana joiners	








111.7004	<p>Adapter Set</p> <p>PQ-Box connector to 4 mm banana leads (supports up to 4 clamps). 1.5 m length, marking Lx-l (black) and Lx-k (red).</p> <p>To allow connection of compatible clamps to PQ-Box.</p>	
1117.025	5 m extension cable for CT input to PQ-Box 100/200	
Use of other clamps:	<p>HV Power can adapt your existing clamps to connect to PQ-Box. A PQ-Box connector can be fitted to compatible clamps (0-230 mV output clamps). Clamps supplied with RPM/Omega devices are typically suitable.</p>	

Rogowski Coils:

Part Number	Description	
111.7001	<p>1 A-to-3000 A Rogowski coil (1 % accuracy).</p> <p>4 x Rogowski coils with PQ-Box connector. 610 mm head length (190 mm diameter). Rogowski diameter 9.9 mm. 10 Hz – 20 kHz 2 m cable. IP65</p>	
111.7022	3 x Rogowski coil version of 111.7001	
111.7006	<p>1 A-to-6000 A Rogowski coil (1 % accuracy).</p> <p>4 x Rogowski coils with PQ-Box connector 910 mm head length (280 mm diameter). Rogowski diameter 9.9 mm. 10 Hz – 20 kHz 2 m cable. IP65</p>	
111.7030	<p>1 A-to-1500 A Rogowski coil (1 % accuracy).</p> <p>4 x Rogowski coils with PQ-Box connector 400 mm head length (125 mm diameter) Rogowski diameter 8.3 mm. 40 Hz – 20 kHz 2 m cable. IP67</p> <p>(Low cost alternative to 111.7006)</p>	
111.7036	<p>1 A-to-3000 A Rogowski coil (1 % accuracy).</p> <p>4 x Rogowski coils with PQ-Box connector 600 mm head length (190 mm diameter) Rogowski diameter 8.3 mm. 40 Hz – 20 kHz 2 m cable. IP67</p> <p>(Low cost alternative to 111.7001)</p>	

Other accessories:


Part Number	Description	
111.7055	Current Shunt (AC or DC). Maximum 2A, ratio 1A=100mV. 152 x 95 x 52 mm, 0.4 kg 111.7004 required.	
111.7024	Dolphin clips 3 x red, 1 x blue, 1 x green 111.7024.01 = 1 x red 111.7024.02 = 1 x blue 111.7024.03 = 1 x green	
111.7037	Insulation Displacement voltage connector. For 35-240 mm ² conductor Requires 111.7038	
111.7038	Lead set for 111.7037 2 m leads with 16 A fuse, 4 x 4 mm banana plugs. Requires 4 x 111.70137	
111.7008	Magnetic Probe Set for attaching voltage leads. (7 mm tip diameter) (3 x red, 1 x blue) 111.7008.01 = 1 x red 111.7008.02 = 1 x blue	
111.7045	Magnetic Probe Set for attaching voltage leads. (6 mm tip diameter) (3 x black, 1 x blue)	
111.7051 111.7052	Adjustable voltage probe 111..7051 suits 5 mm hex heads 111.7052 suits 6 mm hex heads	
111.7053	F-Grip voltage probe, suits bus bars up to 30 mm	
111.7065	Voltage probe	

111.7066	Spring grabber	
111.7067	Test Tap – sharp point	
111.7014	Safety Fused Leads (0.5 A) for voltage inputs, 4 mm banana plug/socket. One set supplied with PQ-Box 100	
111.7054.00 111.7054.01 111.7054.02 111.7054.03	2 m voltage extension leads. 4mm plug to socket 111.7054.00 – Black 111.7054.01 – Red 111.7054.02 – Blue 111.7054.03 – Green	
582.2037	Piggy back adapter. 4mm socket to 4mm stackable banana plug. Black only	
SS130	Socket and See, NZ/Australian 3 pin 240V plug to banana plug	
111.7069	Robust external power supply for PQ-Box 150 and PQ-Box 200. IP65 rated, -20 to +70 deg C. 600V CAT IV rated. 4 mm banana plug input, with 230 Vac adapter plug. Input range 88-500 Vac & 100-300 Vdc	

Enclosure items:




Part Number	Description	
25-PQ 100J10	Hard Transportation Case. Choice of colours (Black, Silver, Orange & Yellow).	
582.0033 582.0035	Hard Carry Case 534 x 427 x 157 mm 582.0033 for PQ-Box 100 582.0035 for PQ-Box 200	
5820032.01 582.0036	Soft carry case for PQ-Box 100 Soft carry case for PQ-Box 200	
564.0500	Replacement orange boot for PQ-Box 100	
564.0510	Replacement orange boots for PQ-Box 200	
111.7032	Locking cable for PQ-Box 150 & 200 Steel 1.8 m cable to lock to PQ-Box 150 & 200	

Communication adapters

Part Number	Description ^[1]	
111.9043.43	USB-to-Ethernet adapter for PQ-Box 100. 230 Vac to 12 Vdc power supply included	
111.9030.51	USB Extender. Extend USB cable distance by using LAN patch cable (RJ 45). Up to 40 m USB 1.1 performance. No external power required	
111.7050	PQ-Box to wireless LAN adapter 111.9043.43 USB-to-Ethernet adapter also required for PQ-Box 100 USB power required, or operate from internal 2-3 hour battery	
111.903055 111.903056 111.903054	Secure remote GSM connection to PQ-Box 12-24 Vdc power supply needed 111.903055 Base unit (Tosibox Lock) 111.903056 Tosibox security key 111.903054 3G USB stick 111.9043.43 USB-to-Ethernet adapter also required for PQ-Box 100	
Various	Tekron GPS time synchronisation source.	

1. Please enquire for details on power supply, connectors and required user-supplied-components.

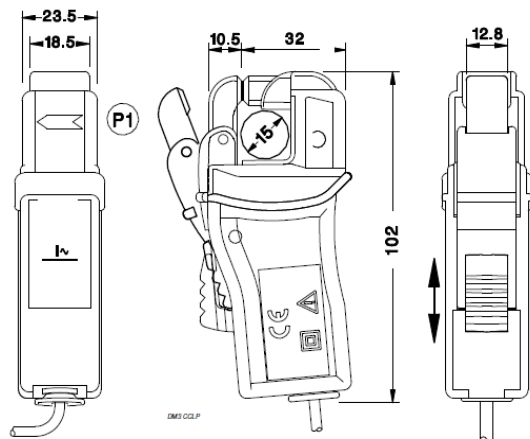
Measurement transducers for PQ-Box 200

Part Number	Description	
111.7028	PQ-Box 200 Aux input adapter cable. 2m length with 4 mm banana plugs.	
111.7040	Irradiance and temperature sensor Measurement range: 200; 0..1000W/m ² , -30..70°C 111.7031 230 Vac to 15 Vdc 2A power supply required	
111.7041	Temperature sensor Measurement range: 20..80°C 111.7031 230 Vac to 15 Vdc 2A power supply required	

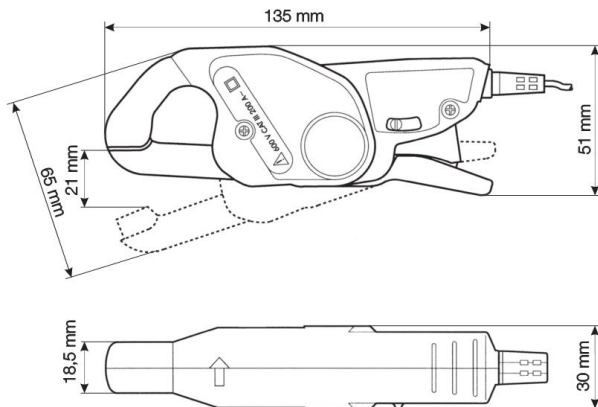
Current input range:

The current range specified for clamps is based on most recent production version of PQ-Box 100 (having an RMS input of up to 700 mV). PQ-Box 100's prior to 12/2010 featured and input range of up to 330 mV, thus these units will have a reduced full scale range with some clamps.

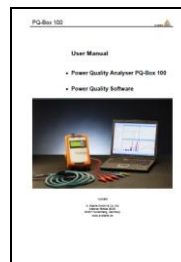
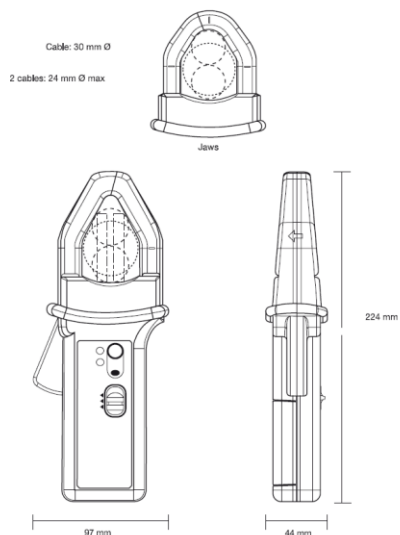
111.7015 & 111.7021 Dimensions



111.7003 Dimensions



111.7020 Dimensions



Refer to PQ-Box 100/200 User Manual for selected clamp dimension and performance specifications.