

Contact Information

USA
Phone: 1.800.343.4912
Fax: 503.454.5777
E-Mail: info_service@Coherent.com
Europe
Phone: +49-6071-968-0
Fax: +49-6071-968-499
E-Mail: info_service@Coherent.com
International
Phone: 503.454.5700
Fax: 503.454.5777
E-mail: info_service@Coherent.com

Quick Reference Guide J-Power Pro DB-25-to-BNC Adapter for EnergyMax and PowerMax-Pro



For the latest Customer Service information, refer to our website: www.Coherent.com.

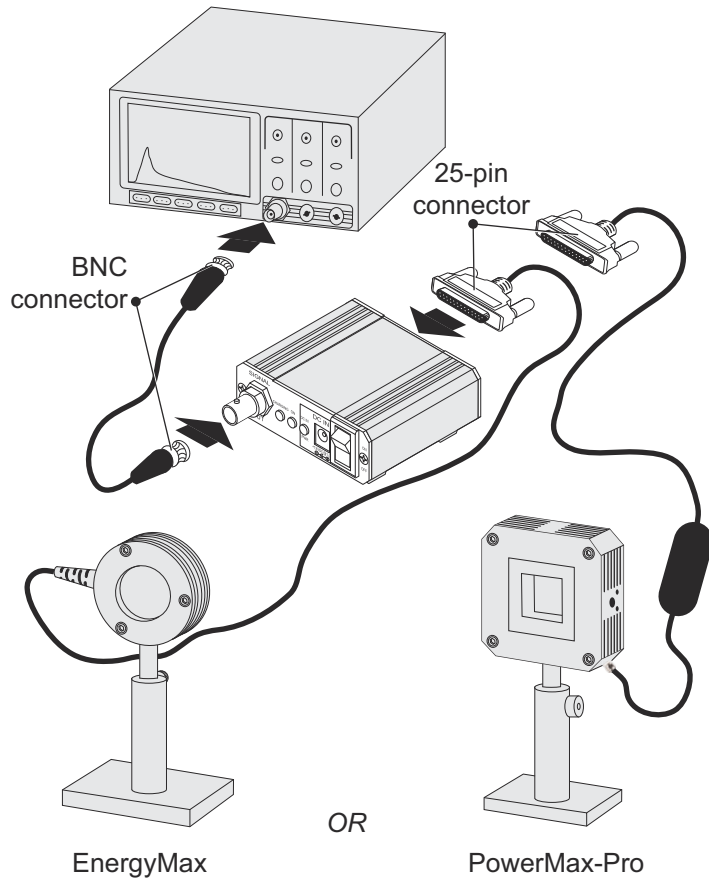
The Coherent J-Power Pro powers the active sensor circuit and passes the raw sensor output voltage straight through to the BNC connector. The voltage can then be measured using an oscilloscope or other analog-to-digital input device. In the case of EnergyMax sensors, the calibrated peak voltage (as referenced from baseline voltage) represents the integrated energy of the laser pulse.

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Connecting the Adapter

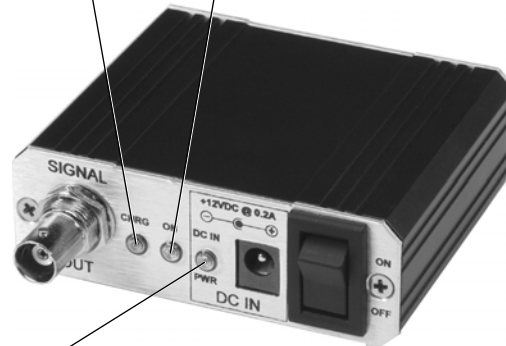
The following illustration shows an example of how to connect the J-Power Pro adapter to a sensor and to an oscilloscope. For further instruction on how to measure pulse energy with a pyroelectric sensor, refer to “How to Measure Energy With an Oscilloscope” in the *EnergyMax Sensors User Manual* (1113858).



LED Indicators

CHRG (Charging)—Indicator is ON when external power is connected and the battery is being charged (a full recharge takes approx. 10 hr.). Indicator is OFF when external power is disconnected, or the battery is fully charged and the J-Power Pro adapter enters trickle charge mode.

ON—ON when the Power switch is in the ON position. OFF when the Power switch is in the OFF position, or the internal battery is drained and external power is not connected.



DC IN/PWR (Power)—Indicator is ON when external power is applied through the DC IN jack. Indicator is OFF when external power is not plugged in, the external power adapter is defective, or the external power adapter is plugged into an electrical outlet that is not “live.”

Specifications

Parameter	Description
Dimensions (h x w x d) (approx.)	1.33 in. (3.38 cm) 3.28 in. (8.33 cm) 3.73 in. (9.47 cm, incl. BNC connector)
Weight (including battery) (approx.)	0.22 lb. (0.10 kg)
Battery power requirements	Internal 3.6V, 1400 mAh lithium polymer
Battery life (approx.)	20 hr.
Battery charging time (approx.)	10 hr. (maximum)

RoHS Compliance

This Coherent product is RoHS compliant.

LABEL#	铅	汞	镉	六价铬	多溴联苯	多溴联苯醚	20	♻️
1127166AB	Pb	Hg	Cd	Cr6 ⁺	PBB	PBDE		
	X	0	0	0	0	0		

0=小于最高浓度值 X=大于最高浓度值

Declaration of Conformity

Declaration of Conformity certificates are available upon request.

Sensor Compatibility

J-Power Pro is compatible with all Coherent DB-25 energy sensors and DB-25 PowerMax-Pro sensors.