POWERLOGIC ENERCEPT® Meter

ENERCEPT Meter

The ENERCEPT Meter is the ideal solution for submetering electric loads where space is at a premium. The compact design consist of three interconnected split-core CTs with the metering and communication electronics built into the CT housing. Simply snap on the CTs, connect the voltage inputs, the communication lines, and installation is complete. There are two versions of the ENERCEPT meter—Basic and Enhanced. The Basic meter reports power and energy only. The Enhanced version delivers 26 energy parameters, including volts, amperes, power factor, and reactive power. Both versions can be connected to either three phase or single phase circuits.

ENERCEPT meters employ the MODBUS®, RTU 2-wire communication protocol, and can utilize the same communication network and POWERLOGIC System Manager™ software as other POWERLOGIC devices. Data from the ENERCEPT meters can be presented in tabular or graphical format, used for alarming, historical logging, trending, and to produce reports.

Optional ENERCEPT display interface acts as a stand-alone operator interface supporting up to 32 meters (63 with a repeater). In addition, the EDI can act as a network adapter allowing ENERCEPT meters to be incorporated into a 4-wire network. The ENERCEPT network adapter (ENA) is designed to act as a network adapter, allowing the ENERCEPT meters to be integrated into a POWERLOGIC 4-wire network. The ENA converts the signals from the 4-wire network to the 2-wire network, as well as changing the parity between the two networks.

ENERCEPT
Display Interface
EDI32

ENERCEPT Meter

Class	Catalog No.	Description	Price
3020	B012	Basic 100 A, 1.25" x 1.51" ID	$ 776.
3020	B032	Basic 300 A, 1.25" x 1.51" ID	800.
3020	B043	Basic 400 A, 2.45" x 2.89" ID	823.
3020	B083	Basic 800 A, 2.45" x 2.89" ID	847.
3020	B084	Basic 800 A, 2.45" x 5.50" ID	869.
3020	B164	Basic 1600 A, 2.45" x 5.50" ID	893.
3020	B244	Basic 2400 A, 2.45" x 5.50" ID	916.
3020	E012	Enhanced 100 A, 1.25" x 1.51" ID	1035.
3020	E032	Enhanced 300 A, 1.25" x 1.51" ID	1066.
3020	E043	Enhanced 400 A, 2.45" x 2.89" ID	1097.
3020	E083	Enhanced 800 A, 2.45" x 2.89" ID	1128.
3020	E084	Enhanced 800 A, 2.45" x 5.50" ID	1159.
3020	E164	Enhanced 1600 A, 2.45" x 5.50" ID	1190.
3020	E244	Enhanced 2400 A, 2.45" x 5.50" ID	1221.

Accessories

Class	Catalog No.	Description	Price
3020	ENA485	ENERCEPT Network Adapter	$ 471.
3020	EDI32	ENERCEPT Display Interface	1124.
3050	2W485C	2-Wire 232-485 Conv	78.
3050	EMBK3	ENERCEPT mounting brackets (set of 3)	75.
3050	MESVR	Modem Eserver, data logger	700.
3080	EMS101	ENERCEPT metering software▲	279.
3090	PS24	24 Vdc power supply (for use with EDI or ENA)	157.

▲ EMS101 for ENERCEPT Meter monitoring and data logging only (Resets are unavailable).

ENERCEPT Metering Quantities:

Basic	Enhanced
kWh, energy usage kW, real power	kWh, kW per phase and total, min kW, max kW, kWD, kVAR, kVA, PF per phase and total Voltage – V, L-L, L-N per phase and avg. Current – A, per phase and avg.

POWERLOGIC Split Core Current Transformers: Instrument Grade 5 A Split Core CTs

The 3090 SCCT series of split-core current transformers provide secondary amperage proportional to the primary (sensed) current. For use with circuit monitors, power meters, data loggers, chart recorders, and other instruments the 3090 SCCT series provides a cost-effective means to transform electrical service amperages to a 0–5 A level compatible with monitoring equipment.

Split Core CT

Catalog No.	Description	Price
3090SCCT022	200 A (Size 2): 1.25" x 1.51"	$120.
3090SCCT032	300 A (Size 2): 1.25" x 1.51"	120.
3090SCCT043	400 A (Size 3): 2.45" x 2.89"	129.
3090SCCT063	600 A (Size 3): 2.45" x 2.89"	129.
3090SCCT083	800 A (Size 3): 2.45" x 2.89"	129.
3090SCCT084	800 A (Size 4): 2.45" x 5.50"	137.
3090SCCT124	1200 A (Size 4): 2.45" x 5.50"	160.
3090SCCT164	1600 A (Size 4): 2.45" x 5.50"	165.
3090SCCT204	2000 A (Size 4): 2.45" x 5.50"	165.
3090SCCT244	2400 A (Size 4): 2.45" x 5.50"	165.

Max. voltage without additional insulation—600 Vac
Do not apply 600 V Class current transformers to circuits having a phase-to-phase voltage greater than 600 V, unless adequate additional insulation is applied between the primary conductor and the current transformers.
Square D assumes no responsibility for damage of equipment or personal injury caused by transformers operated on circuits above their published ratings.