

IEEE C37.118 Compatible PMU-Capable Devices

IEEE C37.118¹ is a standard for synchronized phasor measurement systems in power systems. It addresses the definition of a synchronized phasor, time synchronization, application of timetags, method to verify measurement compliance with the standard, and message formats for communication with a phasor measurement unit (PMU). In this context, a PMU can be a stand-alone physical unit or a functional unit within another physical unit. This standard does not specify limits to measurement response time, accuracy under transient conditions, hardware, software, or a method for computing phasors.

Device Name	Product Link
ABB REL 302	ABB REL302 Product Overview
ABB REL 512	ABB REL512 - Line Distance Protection- Product Overview
ABB RES 521	ABB RES 521 Overview
Ametek TR2000 DFR	Ametek TR 2000 Multi-functional Recorder
Arbiter 1133A Power Sentinel	http://arbiter.com/catalog/product/model-1133a-power-sentinel.php
Areva MiCOM P847	MiCom P 847 brochures Product overview MiCOM P847 PMU
ERLPhase Tesla Digital Fault Recorder	TESLA 3000 power system recorder brochure
GE N60 Synchrophasor Measurement System	N60 Network Stability and Synchrophasor Measurement System
GE L90 (available PMU Upgrade option)	http://www.gedigitalenergy.com/multilin/catalog/l90.htm http://www.gedigitalenergy.com/multilin/pr/Synchrophasors.pdf
GE D60 (available PMU Upgrade option)	http://www.gedigitalenergy.com/multilin/pr/Synchrophasors.pdf http://www.gedigitalenergy.com/multilin/catalog/d60.htm
Qualitrol/ HATHAWAY DFR 16/32	http://www.qualitrolcorp.com/productdetail.asp?ID=73
Qualitrol/ HATHAWAY IDM-T2 16/32	http://www.qualitrolcorp.com/productdetail.asp?ID=74

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To purchase [IEEE C37.118-2005: Standard for Synchrophasors for Power Systems](#) visit:

<http://ieeexplore.ieee.org/articleSale/Sarticle.jsp?arnumber=1611105>

Macrodyne 1690	http://www.macrodyneusa.com/model_1690.htm
Mehta Tech DFR w/IRIG-B	http://www.mehtatech.com/files/sm/transcan_dfr_product_summary.pdf
Mehta Tech Transcan 2000 IED	http://www.mehtatech.com/files/sm/transcan_ied_bulletin_rev5_v3.pdf
NxtPhase Telsa 2000 Fault Recorder	NxtTesla2000 Product
Reason RPV-310	NxPhase relay division acquired by ERL Product Overview
SCHWEITZER SEL-121G (with upgrade kit)	http://www.selinc.com/ag-s.htm
SCHWEITZER SEL-221F (with upgrade kit)	http://www.selinc.com/sel-221f.htm
SCHWEITZER SEL-300G (with upgrade kit)	http://www.selinc.com/sel-300g.htm
SCHWEITZER SEL-311C (with upgrade kit)	http://www.selinc.com/sel-311c.htm
SCHWEITZER SEL-321-1 (with upgrade kit)	http://www.selinc.com/sel-321.htm
SEL 421	http://www.selinc.com/sel-421.htm
SEL 487 E	http://www.selinc.com/sel-487e.htm
SEL-3306 Synchrophasor Processor	http://www.selinc.com/sel-3306.htm
SEL-451 Relay	http://www.selinc.com/sel-451.htm
SEL-5077 SynchroWAVE Server Software	http://www.selinc.com/synchrowave.htm
Siemens SIMEAS R 7KE6100	7KE6100 Product overview

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