



Short Comparison of Three Phase Power Sources Equipment calmet

Device	C300	Fluke 6100A	REMARKS
Parameters / Function			This Fluke is only single phase. To get full 3 Phase one need: 1 basic unit, 2 auxiliary power units, 3 output 80A boosters. C300 has it all in one case
Number of phases	3	3 *	(*) requires additional 19" cases and connections
Class of Accuracy for U, I & P	0.05% or 0.02%	0.02% or 0.01%	
Voltage Range DC	-----	1 – 1008V	C300 has no DC ranges
Voltage Range AC (phase – neutral)	0.5 – 560V	1 – 1008V	
Voltage resolution	6 digits	6 digits	
Voltage output power	50VA	50VA	
Current Range	0.005 – 120A	0.01 – 21A (80A)*	(*) with current booster option
Current resolution	6 digits	6 digits	
Current output power	80VA	200VA *	(*) with current booster option
Phase Shift	0 ° - ±360°	0 ° - ±360°	
Phase Shift Accuracy / Resolution	0.1 ° / 0.01 °	0.004 ° / 0.001 °	
Output Frequency / Resolution	40 – 500Hz / 0.001Hz	16 – 850Hz / 0.1Hz	
Harmonic Generation	☺	☺	
Assymmetric Voltage / Current	☺	☺	
Energy Meter Testing	☺	☺	
Interharmonics	☺	☺	
Rely testing	☺	-----	
Transducer testing	☺	-----	
CT testing	☺	-----	
Power Quality Meter Testing	☺	☺	
Flicker	☺	☺	
Power Supply	90 – 265V AC	100 – 240V AC	
Power Consumption	800VA	1250VA/1Phase; 4000VA for full 3 phase calibrator	
Dimensions W x H x D [mm]	478 x 194 x 490	432 x 324 x 630 1 case; for 3 phase, required 3 cases + 3 current boosters	
Weight [kg]	32	30 single phase, 90 three phase	