







DynAmp

	LKCO	LKP	LKAT 2	LKAT plus
	Bi-Directional (AC/DC) up to 600kA 	Uni-directional (DC) up to 600kA 	Bi-Directional (AC/DC) up to 150kA (PE 200kA) 	Bi-Directional (AC / DC) up to 100kA 
Accuracy	0.1% of measurement	0.1% of full scale	0.25% of full scale	0.75% of full scale
Repeatability	0.02% of measurement	0.02% of full scale	0.1% of full scale	0.1% of full scale
Linearity	0.1% of full scale	0.03% of full scale	0.1% of full scale	0.1% of full scale
Accuracy in Amps	@ 20kA +/- 20 amps (possible error vs. actual kA) 40kA +/- 40 amps 100kA +/- 100 amps 220kA +/- 220 amps 500kA +/- 500 amps	+/- 30 amps (LKP30) +/- 45 amps (LKP45) +/- 100 amps (LKP100) +/- 225 amps (LKP225) +/- 500 amps (LKP500)	+/- 50 amps +/- 100 amps +/- 250 amps	+/- 150 amps +/- 300 amps +/- 750 amps
Std. Measurement Outputs	Current : ≤100kA = 1A FS >100kA = 4mA/kA Voltage : ≤100kA = 10mV/kA or 1V FS >100kA = 1mV/kA or 1V FS	Current : 200mA/kA Voltage : ≤100kA = 10mV/kA or 1V FS >100kA = 1mV/kA or 1V FS	Current : 0/4...+/-20mA FS Voltage : DIP switch select for +/-10V FS DIP switch select for +/-1V FS	Current : 0/4...+/-20mA Voltage : DIP switch select for +/-10V FS DIP switch select for +/-1V FS
Optional Measure't Outputs	Current : 0/4...+/-20mA Voltage : up to +/-10V Digital : ModBus or ProfiBus	Current : 0/4...+20mA Voltage : up to +10V	2nd independent Current 0/4...+/-20mA 2nd Ind. Voltage : DIP switch select for +/-10V DIP switch select for +/-1V	2nd independent Current 0/4...+/-20mA 2nd Ind. Voltage : DIP switch select for +/-10V DIP switch select for +/-1V
Reverse/Overcurrent Alarms	none	none	Yes : 1 Standard relay point Optional : two additional relay points	Yes : 1 Standard relay point Optional : two additional relay points
Accuracy Diagnostics Alarm	Standard with relay output	Optional with relay output	Standard with relay output	Standard with relay output
Mains	95...264V 47-63Hz or 100...140V DC Consumption 350VA w/o environmental options	Selectable covering 85...264V 45-65Hz Consumption 20VA / bus kA typical	85...264V 27-440Hz and 100...250V DC Optional : 9...36VDC Consumption 30VA max	85...264V 27-440Hz and 100...250V DC Consumption 30VA max
Environmental	Head / Comp.Module -40...+70°C IP65 Metering Unit: -10...40°C/50°C with fan IP54 Storage Temperature -40...+70°C Storage Humidity ≤ 85% non condensing	Head : -20...+55°C IP64 Metering Unit: -20...+55°C IP54 (OEM IP22) Storage Temperature -40...+70°C Storage Humidity ≤ 85% non condensing	Head : -20...+80°C IP65 Metering Unit: -10...+60°C IP65 (OEM IP20) Storage Temperature -40...+70°C Storage Humidity ≤ 85% non condensing	Head : -20...+80°C IP65 Metering Unit: -10...+50°C IP65 (OEM IP20) Storage Temperature -40...+70°C Storage Humidity ≤ 85% non condensing
Head Magnetic Restrictions ?	No (no bus analysis needed)	Possible - Bus Analysis Needed	No (no bus analysis needed)	No (no bus analysis needed)
Physical : Head Material Bus Bar Mount Head Design Head Weight Meter Unit Comp.Module	CPVC FR4/G10 fiberglass bus bar mount (140°C) Multi-piece - manufactured to fit buswork 20...75kg depending on head size 70kg 18kg	Cast, machined, painted aluminium Optional : FR4/G10 bus bar mount (140°C) 2 or 4 piece - fixed sizes example: LKP30=57kg LKP80=180kg example: LKP30=27kg LKP80=150kg	CPVC (internal AL frame in head sides) Glastic UTR GPO-3 (120°C) 2 piece - manufactured to fit bus work Yes 4.5kg	CPVC Glastic UTR GPO-3 (120°C) 2 piece - manufactured to fit bus work Yes 4.5kg
Isolation Head to Output Mains to Output Mains or Output to Chassis	6.0kVAC for 1 minute 1.5kVAC for 1 minute 1.5kVAC for 1 minute	6.0kVAC for 1 minute with 25mm air gap 1.5kVAC for 1 minute 1.5kVAC for 1 minute	6.0kVAC for 1 minute 1.0kVAC for 1 minute 2.0kVAC for 1 minute	6.0kVAC for 1 minute 1.0kVAC for 1 minute 2.0kVAC for 1 minute