



DynAmp

LKP OEM

Supplemental Data Sheet For OEM Versions of Model LKP 6kA to 80kA



Description

All LKP OEM systems consist of a standard LKP two-piece measuring head that installs around the bus, and multiconductor cables for connection and an electronics unit.

LKP OEM Meter Units are special simplified, smaller, limited feature electronics units used in place of standard electronics units on LKP systems of 80kA and less.

Application

LKP OEM Meter Units give the skilled system engineer or technician additional installation flexibility. Although a full range of accessories and options are available the simplified electronics unit allows the OEM to integrate their own system components such as shunts, transformers, and isolators.

Differences Between OEM and Std. LKP

Refer to LKP Data Sheet for Remaining Specifications

Output Current Only
Voltage output requires shunt and isolator – see options

Mains
Input 120V RMS
+10%, -15%
50 or 60Hz, ±5 Hz

Isolation
Mains supply to output NONE - Not Isolated
Note: Mains isolation transformers are required if multiple LKP OEM units are totalized.

Physical
Electronics unit enclosure IP 20
Electronics unit weight
LKP OEM-6, 12, 15, or 30 12 lbs / 5.5 kg
LKP OEM-45, 60, or 80 37 lbs / 17 kg

Specifications subject to change without notice

Ordering Information

1. Specify model number and item number:

Model No.	Item No.
LKP - 6 OEM	42104
LKP - 12 OEM	42105
LKP - 15 OEM	42106
LKP - 30 OEM	42107
LKP - 45 OEM	42108
LKP - 60 OEM	42109
LKP - 80 OEM	42110

2. Specify item number of options as noted below.

3. Complete System Worksheet BEN068 and worksheets for options and accessories as required. See page 4.

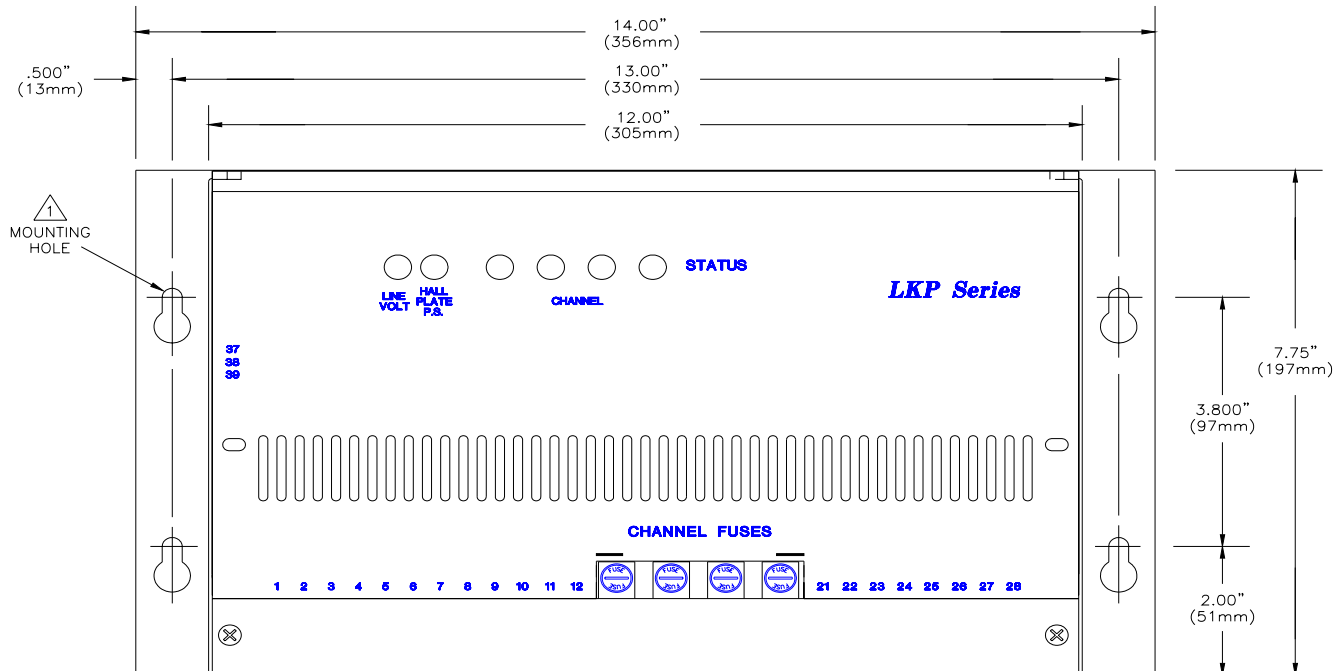
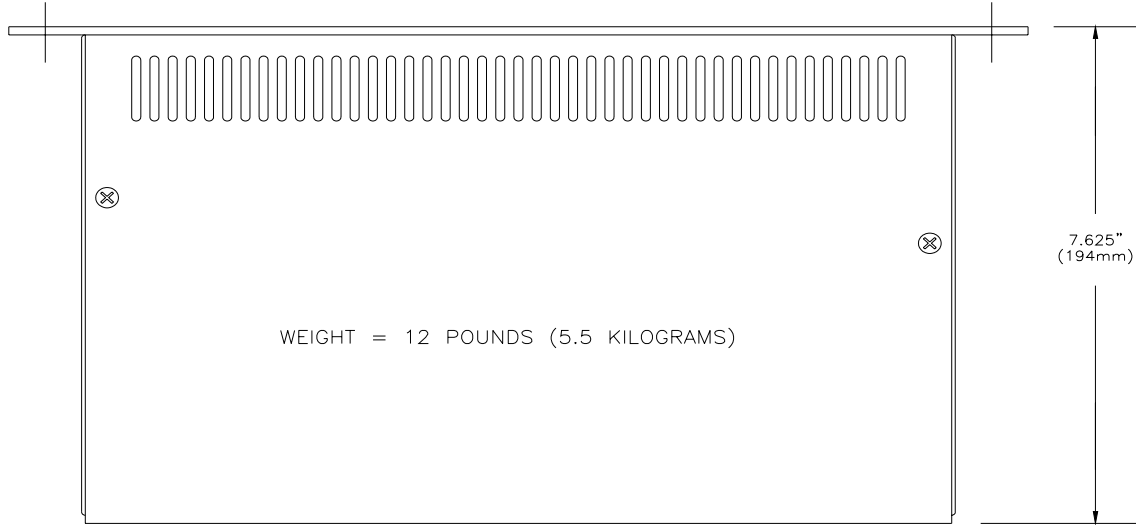
Standard System Includes

- Split apart measuring head
- 10 meter / 33 feet head to meter connecting cables
- Simplified Metering Electronics
- Operator / installation manual
- Calibration result data tables and graphs
- 4 hours operation before final test/calibration
- 2 year warranty
- DynAmp bus analysis of installation location (subject to availability of customer drawings)
- Weather resistant shipping crate



Metering Unit Outline and Mounting Diagram and Information For LKP OEM-6, 12, 15, and 30 systems

For Measuring Head information, see LKP model with similar kA rating.

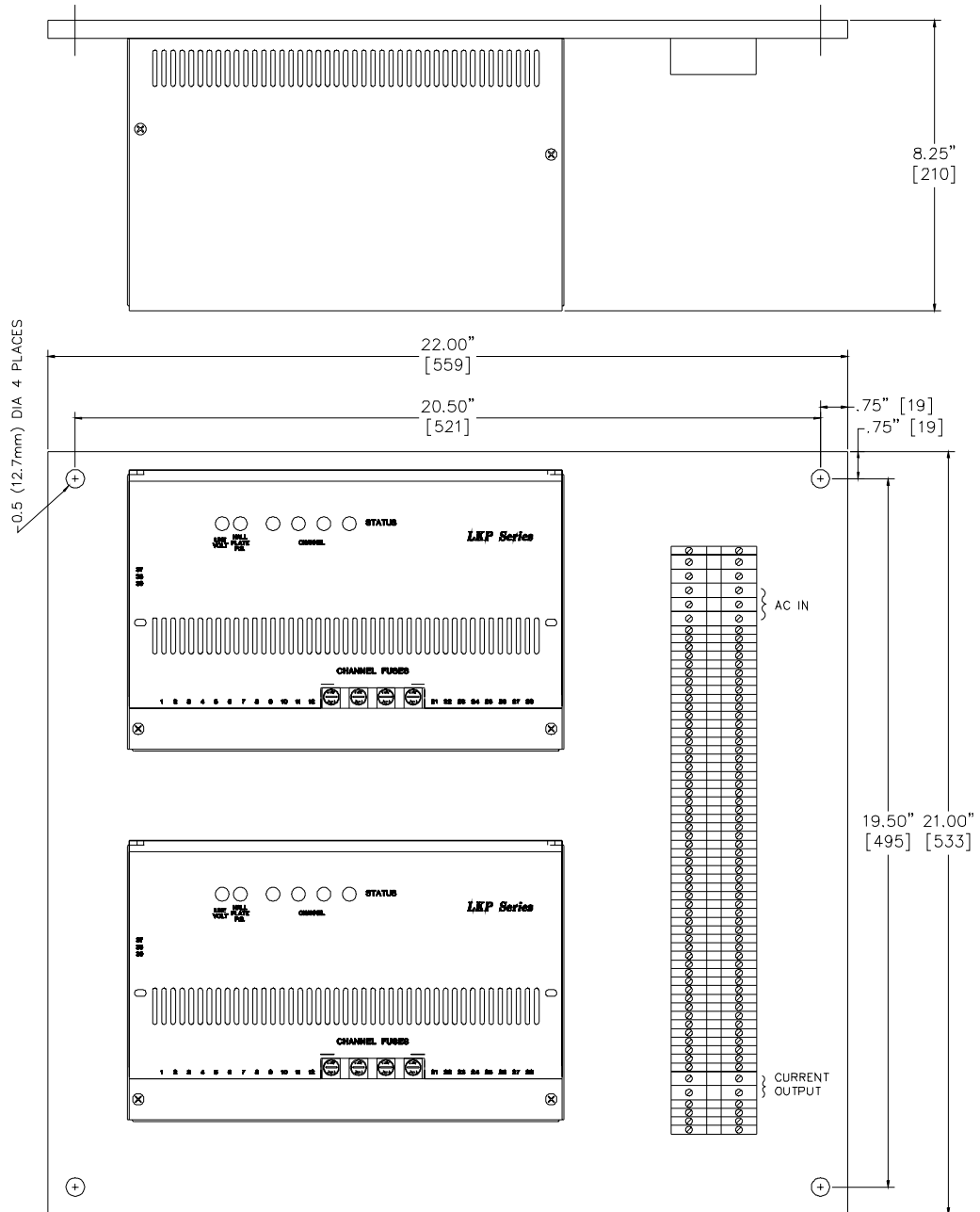


1 SECURE METER UNIT TO MOUNTING SURFACE WITH FASTENERS IN FOUR (4) LOCATIONS SHOWN. KEYHOLES IN MOUNTING PLATE WILL ACCOMODATE EITHER #10(5mm) SCREW OR 1/4"(6mm) SCREW OR BOLT.



Metering Unit Outline and Mounting Diagram and Information For LKP OEM - 45, 60, and 80 Systems

For Measuring Head information, see LKP model with similar kA rating.



WEIGHT = APPRX. 37 POUNDS (17 KILOGRAMS)



LKP Option Availability on LKP OEM

Accuracy Diagnostics:

Provides an SPDT relay output if a channel amplifier or power supply voltage is out of normal range. Detects errors due to excessive or reversed magnetic fields and failures in electrical components such as amplifiers, fuses, or sensors.

Model No.	Item No.
LKP - 6 & 12 OEM	41966
LKP - 15 & 30 OEM	41347
LKP - 45 & 60 OEM	41764
LKP - 80 OEM	41765

Voltage & Current Output

(Panel Mounted Shunt & Isolator):

Shunt and isolator mounted on metering unit panel. Requires completed Isolator Worksheet BEN061 and Shunt Worksheet BEN055.

Model No.	Item No.
LKP - 6 & 12 OEM	Not Available
LKP - 15 & 30 OEM	Not Available
LKP - 45 & 60 OEM	42372
LKP - 80 OEM	42374

Measuring Head Mounting Feet:

Brackets to allow mounting of measuring head.

Model No.	Item No.
LKP - 6 & 12 OEM	Not Available
LKP - 15, 30, & 45 OEM	42067
LKP - 60 & 80 OEM	Standard

Panel Mounted Shunt:

Provides mV output proportional to primary bus current. Requires completed Shunt Worksheet BEN055.

Model No.	Item No.
LKP - 6 & 12 OEM	Not Available
LKP - 15 & 30 OEM	Not Available
LKP - 45 & 60 OEM	42371
LKP - 80 OEM	42373

Options Not Available on LKP OEM:

- Internal Digital Display
- Second Internal Shunt
- CE Compliance

LKP Accessory Availability on LKP OEM

Extended Burn-In:

Standard systems are operated for 4 hours before final tests and calibration. Extended burn-in periods can be ordered in 24-hour increments, and can be performed with multiple units.

Contact DynAmp

Standard Spare Part Package:

Allows swap of major assemblies as well as single components to ensure fast return to operation.

Model No.	Item No.
LKP - 6 OEM	42775
LKP - 12 OEM	42776
LKP - 15 OEM	42777
LKP - 30 OEM	42778
LKP - 45 OEM	42779
LKP - 60 OEM	42780
LKP - 80 OEM	42781

Remote Digital Display:

Remote indication of bus current.

Requires completed DPM Worksheet BEN056.

All LKP Models Refer to Worksheet for Item No.

Spare System Components:

Model No. Meas.	Head	Electronics
LKP - 6 OEM	03854	41181
LKP - 12 OEM	04133	41182
LKP - 15 OEM	41288	41183
LKP - 30 OEM	41286	41184
LKP - 45 OEM	41289	41186
LKP - 60 OEM	41290	41185
LKP - 80 OEM	41299	41414

External Shunts:

Converts system feedback current to low voltage.

Requires completed Shunt Worksheet BEN055.

Model No.	Item No.
LKP - 6 & 12 OEM	14319
LKP - 15, 30, 45 & 60 OEM	26093
LKP - 80 OEM	15012

Totalizing Shunts:

Totalizes the current output of multiple units, converts to a voltage output. **Requires mains isolation transformers.**

Requires completed Shunt Worksheet BEN055.

Model No.	Item No.
LKP - 6 & 12 OEM	Contact DynAmp
LKP - 15, 30, 45 & 60 OEM	40160
LKP - 80 OEM	04164

Custom Interconnecting Cable (Head to Electronics):

Standard length is 10m, length can be increased to 50m. Specify length (in meters) and item number.

Model No.	Item No.
LKP - 6 & 12 OEM	03684
LKP - 15, 30, & 45 OEM	41449
LKP - 60 & 80 OEM	41450

Busbar Mounting Kit:

Non-conductive brackets to mount LKP head directly to bus.

Model No.	Item No.
LKP - 6 & 12 OEM	Not Available
LKP - 15 OEM	42076
LKP - 30 OEM	42077
LKP - 45 OEM	42078
LKP - 60 & 80 OEM	Not Available

Suggested Support Services

On-Site Commissioning:

Factory trained technicians and specialized equipment on-site during start-up. **Contact DynAmp**

Annual / Biannual Calibration:

Experienced field service technicians and specially calibrated equipment are available to verify proper operation and calibrate your system to internationally traceable standards, ensuring the most reliable data for decision making and cross plant comparisons.

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