



DynAmp

Technical Bulletin : 120701 “END OF SUPPORT”

DISCONTINUED HALMAR, LEM, and DYNAMP HIGH CURRENT
MEASUREMENT SYSTEMS MODELS : CXM, FM, ADM, CM, RDCMS, LKC

INTRODUCTION

This document is intended to provide a reference regarding the status of support for specific models of measurement systems manufactured by Halmar, LEM and DynAmp.

For over fifty years DynAmp, (previously LEM DynAmp and originally Halmar) , has been providing high accuracy, high reliability electrical measurement systems to energy intensive industries worldwide. With over 10000 systems installed many systems have been in continuous operation for over 25 years. This demonstrates the reliability of our designs and the quality of our manufacturing.

With that in mind, we need to outline product support available on discontinued models. Should a discontinued model develop a problem, it may not be possible to repair. This could result in substantial downtime since they would have to be replaced with a complete new system.

Generally, the design life of DynAmp, LEM DynAmp and Halmar systems is 15 years. Production of LEM model LKC and Halmar models CXM, FM, ADM, CM, RDCMS was discontinued in 1999 with the introduction of the model LKP and the model RCEM. DynAmp was able to provide component level support for most of these systems for over 10 years. Due to decreasing availability and obsolescence of original components, DynAmp was forced to discontinue support of model Halmar model ADM, and RDCMS some years ago. Support of Halmar model FM, and CXM has been limited to upgrades of the metering units.

**With the above in mind,
the following page is an overview of discontinued system support status.**

CXM - Upgrade (replacement) LKP5000 metering electronics available for order until 31 Jan. 2013
- No support available for measuring head issues (*As per existing policy*)
-> *Replacement products : LKP, LKAT*

FM - Upgrade (replacement) LKP8000 metering electronics available for order until 31 Jan. 2013.
- No support available for measuring head issues (*As per existing policy*)
-> *Replacement products : LKCO, LKP, LKAT(<100kA)*

CM - Some support for metering electronics via module replacement
- No support available for measuring head issues (*As per existing policy*)
-> *Replacement products : LKCO, LKP, LKAT(<100kA)*

ADM - No support available for metering electronics (*As per existing policy*)
- No support available for measuring head issues (*As per existing policy*)
-> *Replacement products : LKCO, LKB, LKAT(<100kA)*

RDCMS - Complete replacement of DAU electronics available (RCEM electronics)
- Replacement heads still available
-> *Replacement product : RCEM*

LKC - Minimal support available for metering electronics
- Some support available concerning measuring head issues (*As per existing policy*)
-> *Replacement product : LKCO, LKP, LKAT(<100kA)*

**IF YOU HAVE ONE OR MORE OF THESE SYSTEMS INSTALLED PLEASE CONTACT DYNAMP.
INFORMATION REGARDING RECOMMENDED REPLACEMENT IS SHOWN ON THE FOLLOWING PAGE.**

DynAmp now offers the following technologies to replace the discontinued and now obsolete systems.

DynAmp Model LKCO is a fully compensated, closed-loop fiber optic based current measurement system. The light weight, fiber optic technology makes installation much easier and cost effective than closed loop Hall Effect systems and is not affected by external magnetic fields. The proprietary full compensation technology ensures the long term accuracy and reliability that is required of all DynAmp products. The LKCO is an excellent choice for replacing Halmar FM, CM and LKC systems for current ranges of 100kA to 600kA. More details on the LKCO system can be found on www.dynamp.com or the link below.

<http://www.dynamp.com/ldadocum.nsf/WebPages/ProductsServicesLKCO>

DynAmp Model LKAT is based on DynAmp proprietary “Open Loop Open Path” Hall technology that provides rectifier measurement and protection in a single, light weight, easily installed system. LKAT systems are available in current ranges of up to 100kA. The LKAT is a very cost effective replacement for Halmar model ADM, CXM and lower current CM and LKC systems. The standard LKAT includes one alarm relay for reverse or overcurrent protection. The optional “Protection Extensions” adds an second, independent analog output and two additional alarm points. More details on the LKAT system can be found at www.dynamp.com or the link below.

<http://www.dynamp.com/ldadocum.nsf/WebPages/ProductsServicesLKAT>

DynAmp Model LKP is the latest generation system based on closed loop Hall Effect technology. Shortly after introduction, the model LKP became the global standard for high reliability, high accuracy current measurement. LKP represents the 7th generation of this extremely well proven technology. LKP can be used as a plug-and-play replacement for practically any of the discontinued systems with minimal changes to existing data acquisition and control systems. The LKP is available in current ranges of 6kA through 500kA. More details on the LKP system can be found at www.dynamp.com or the link below.

<http://www.dynamp.com/ldadocum.nsf/WebPages/ProductsServicesLKP>

DynAmp Model RCEM is the second generation of rectifier monitoring systems from DynAmp. It is the culmination of over 25 years of experience making measurements inside large rectifiers. Like the RDCMS, the RCEM is designed to measure individual device currents in poly-phase power rectifiers, high-power power supplies, and motor drives. The system is available in a portable configuration complete with software that is specifically configured to work with Windows computers as well as a permanently installed system configured to work with a variety of PLC platforms. The RCEM can utilize many of the existing measurement heads used with RDCMS systems.

<http://www.dynamp.com/ldadocum.nsf/WebPages/ProductsServicesRCEM>