

户外 单相 油浸式
OUTDOOR SINGLE-PHASE EPOXY RESIN CASTING TYPE

技术参数 Technical data

- 产品性能符合标准 GB1208和IEC60044-1
The current transformers are in accordance with GB1208 and IEC60044-1 standards
- 额定绝缘水平 40.5/95/185kV
Rated insulation level 40.5/95/185kV
- 额定二次电流：5A或1A
Rated secondary current 5A or 1A
- 额定频率50Hz或60Hz
Rated frequency 50Hz or 60Hz
- 环境温度：-25℃~+40℃
Ambient temperature -25℃~+40℃



表1 LCW-35、LCWD-35、LCWQ-35及LCWQD-35型电流互感器的10P级准确限值系数、最大二次电流倍数及二次绕组阻抗。

Table1 Grade 10P accurate limiting value factor, max Multiple of secondary current and secondary winding impedance for LCW-35, LCWD-35, LCWQ-35, LCWQD-35 current transformer.

型号及级次组合 Type and accuracy grade combination	额定一次电流 Rated primary current(A)	准确级次 Accuracy grade	额定二次负荷 cos φ =0.8 Rated secondary load(Ω)	10P级准确限值系数 Grade 10P accurate limit factor	最大二次电流倍数 (在额定二次负载时) Max. Secondary current multiple (at rated secondary load)	二次绕组阻抗 Secondary winding impedance(Ω)
LCW-35	15~1000	0.2S 0.2 0.5 10P	1	28	35	0.7
			2	5	12	0.5
LCWD-35 LCWQD-35	15~750、1000		1.0	15	25	0.5
			1.2	15	28	0.8
			1.2			
LCW-35	15~600		1.0	15	25	0.5
			1.2	30	35	0.56
			1.2			
	15~600		0.8	35	45	0.56
LCWD-35 LCWQD-35	750		0.8	35	50	0.67
	1000		0.8	50	55	0.94

概述 Description

本型互感器为油绝缘、户外型产品，适用于额定频率50Hz或60Hz、额定电压为35kV及以下的电力系统中，做电能计量、电流测量和继电保护用。

本型电流互感器结构紧凑、体积小、重量轻，器身经过真空干燥处理，装于充满变压器油的套管中。其上半部分为一次绕组，下半部分为二次绕组，套管固定于底座上，套管顶部装有储油柜，一次绕组出头分别从柜壁两侧引出，标有P1的起始端子用小瓷套与柜壁绝缘，末端P2与柜壁直接连接，储油柜正面装有表示不同温度的油表。

The current transformer of type LCWD1-35 is oil insulated and outdoor product. It is used for metering energy, current and relay protection in electric system up to rated frequency 50Hz or 60Hz and rated voltage 35kV.

The type of product has compact structure, small volume, lightweight and its body treated by drying vacuum. It is installed in the bushing filled with transformer oil. The bushing's upper half-part is the primary winding and its down half part is the secondary winding. The bushing is fixed on the pedestal. The oil storage cabinet is on the top of the bushing. The primary winding's end is led from the two side of the cabinet's wall. It's starting terminal sign P1 is insulated with the wall by some little porcelain pipes and terminal signed P2 is directly connected with the wall. The front of the oil storage cabinet has some oil-dials showing different temperature and graduation.

Table2 Short circuit standing current of LCW-35, LCWD-35, LCWQ-35, LCQD-35 Current transformer.

型号 Type	额定一次电流比 Rated primary current ratio (A)	1s短时热电流倍数 Multiple of 1s short-time thermocurren(KA)	额定动稳定电流倍数 Multiple of rated peak withstand current
LCW-35	15~1000	90lin	150lin
LCWD-35	15~750	65lin	100lin
LCWD-35	1000	65lin	150lin
LCWD-35 LCWQD-35	15~600	65lin	100lin

外形及安装尺寸 Overall dimension drawing

