

OMS-720 电梯载荷测量装置 安装使用说明书(VER 1.9)





未中知例、参数以直成仍				
参数名称	参数功能	参数数值范围及含义	默认值	
8.8.8.8.	超载百分量设定	(00-20)→表示0-20%, 当测定重量 > (1+P01%)×额定重量时, 超载继 电器动作;	10	
8.8.8.8	设备起动瞬间去抖动 设定	(00-10)→增大数值可降低超载动作 灵敏度;	05	
8.8.8.8.	备用		00	
	超载动作保持时间 设定	(00-05)→表示0-5秒,增大数值为 延长超载继电器动作后释放的时间;	02	
	自学习调试模式选择	00→全额载重自学习; 04→已知任意重量载重自学习;	00	
8888	电压模拟量输出范 围设定	00→电压模拟量输出-10V到+10V; 01→电压模拟量输出0V到+10V;	00	
8.8.8.8.	轻载百分量范围设定	(05-75)→表示05-75%,当0%≤测 定重量≤P07%×额定重量时,轻载 继电器动作;	05	
8.8.8.8.	重载百分量范围设定	(90-99)→表示90-99%,当P08%× 额定重量≤测定重量≤(1+P01%)×额 定重量时,重载继电器动作;	90	
8.8.8.8.	轻载动作方式设定	00→轻载范围内继电器信号导通; 01→轻载范围内继电器信号断开;	00	
8.8.8.8.	重载动作方式设定	 00→重载范围内继电器信号导通,达 到超载后信号断开; 01→重载范围内继电器信号断开,达 到超载后信号导通; 10→重载范围内继电器信号导通,超 载后信号保持导通; 11→重载范围内继电器信号断开,超 载后信号保持断开; 	10	

菜单结构、参数设置说明				
8.8.8.8.	备用		01	
8.8.8.8.	已知任意重量调试方 式下已知重量的设定	(0000-9500)→表示在已知任意重量 调试模式下输入已知砝码重量的数值;	0000	
8.8.8.8.	设备所需额定载荷 重量设定	(0000-9500)→表示0-9500公斤,输 入不为0的额定载荷数值后,本系统 可进行公斤显示;	0000	
8.8.8.8.	备用		01	
8.8.8.8.	备用		00	
8.8.8.8.	备用		50	
8.8.8.8.	备用		10	
8.8.8.8.	超载动作方式设定	00→超载后继电器信号断开; 01→超载后继电器信号导通;	00	
9999	版本号			

主控制器代码及功能

E

显示代码	代码说明	运行状态
8.8.8	等待密码输入	输入密码状态
]	等待调试	调试状态
888.	参数选项	调试状态
]	显示为Pn(n=1-19)参数内的数值	调试状态
18.8.8	显示为1080公斤重量	运行状态
8.8.8	显示为额定载荷的101%	运行状态
18.8.8.	超载指示	运行状态
1888.	等待空载自学习	调试状态
18.8.8.	空载自学习完成	调试状态
1	等待额载自学习	调试状态
18.8.8.	额载自学习完成	调试状态
1888.	错误代码指示	调试状态
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常见故障代码及故障解决

故障代码	故障原因	解决对策
	自学习调试期间测量的 额载数据≤空载数据;	请检查传感器安装是否恰当,上电复 位后起吊更重的砝码进行自学习调试;
]	完成自学习调试前缺少对 额载数据的测量;	按下[B]键后重新对额载的数据进行测 量;
	磁铁正反面放置错误;	调整磁铁方向,使之有符合面正对朝 向控制器接收端;
8.8.8.	磁铁与控制器之间的距离 过近,超载系统极限范围;	调整磁铁与控制器之间的距离,使之在 2-10mm范围内变化;
1.8.8.8.	磁铁与控制器之间的距离 过远,超载系统极限范围;	调整磁铁与控制器之间的距离,使之在 2-10mm范围内变化;

- PL 等待空载测量

(是)

<是否显示 <u>- PL</u>

(是) ¥ 🚳键

□□ 空载测量完成

₽₩ 等待额载测量

<是否放入足够砝码?

(是) ↓ 🚳 键

100 额载测量完成

控制器在检测状态

↓ 🔊键

使设备空载

(否)

调整磁铁和控 制器间的距离

放入砝码

(否)

(否)

额定载重自学习调试流程图



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备注:一键快速数据校正调试时,请确认当前实际载重数值。

● 全额载重自学习调试步骤范例

(本案例为利用2000KG砝码对额定载重为2000KG的设备进行自学习操作的步骤)



备注:全额载重自学习时,P05参数应设置为00,设备需要起吊额定载重的砝码或重物 进行额载测量。当完成对P13参数数值的设置后,正常称重时按@可在重量和百分比之 间切换显示。

● 全额载重自学习调试步骤范例

(本案例为利用2000KG砝码对额定载重为2000KG的设备进行自学习操作的步骤)



● 修改参数数值步骤范例

间切换显示。

(木安例为单独修改P13 关数数值的调试先骤)



额定载重自学习调试范例详解

本系统拥有两种额定载重自学习调试方式:

①全额载重自学习:现场有足够的砝码或重物,对精度要求很高的场合适用。 ②已知任意重量载重自学习:现场没有足够的砝码或重物,对精度要求高的场合适用。

用户根据使用现场环境不同选择以下一种调试方式进行操作:

● 一键快速清零调试步骤范例

(本案例为将显示屏显示的8%零点快速调整到0%的调试步骤)



备注:一键快速清零调试时,请确认当前设备处于空载状态。

宁波市艾特电子有限公司 | 地址: 宁波市江北投资创业园区通宁路520弄101号 | 电话: 0574-87150639 | 传真: 0574-87150539 Email: ant@ant-china.com | http://www.ant-china.com



● 恢复出厂设置步骤范例



警告! 当恢复出厂设置后,出厂后所有调试的数据将被清除,无法恢复,请谨慎使用。



OMS-720 USER MANUAL (VER 1.9)

NINGBO ANT ELECTRONIC CO., LTD



The induction medication matrice size which is objective to the matrice matrice in the process of installation. Any time to avoid the high temperature of 100 $^\circ$ C in order to reduce the accuracy of the measuring demagnetization.

The Menu Structure And Parameter Setting

The Menu Structure And Parameter Setting				
8.8.8.	Spare		01	
8.8.8.	Sensor`s correction code or any known weight;	0000~9500 – Input correction code during rate load learning with no load or input weight during rated load learning with known weight in KG ;	0000	
8.8.8.	Rated load value setting;	0000~9500 – Input rated load in KG; In rated load learning with full weight, 0000 can be used to treat the full weight as rated load;	0000	
	Spare		01	
8.8.8.	Spare		00	
8.8.8.	Spare		50	
8.8.8.	Spare		10	
8.8.8.8	Overload contact setting;	00 – Contact releases when in overload range; 01– Contact close when in overload range;	00	
8.8.8.	Version			

The Display Codes And Their Meanings

Codes	Explanation	States	
	Twinkle for code entrance;	Code entrance	
	Twinkle for initialization;	Initialization state	
888.	Parameter setting;	Initialization state	
<u> </u>	Value of Pn (n = 01-19);	Initialization state	
38.8.8	Weight: 1080 kilogram;	Measuring state	
3.8.8.8.	Percentage display of 101%;	Measuring state	
	Overload;	Measuring state	
8.8.8.	Ready for no load learning;	Initialization state	
3.8.8.8.	No load learning complete;	Initialization state	
<u> </u>	Ready for rated load learning;	Initialization state	
1.8.8.8.	Rated load learning complete;	Initialization state	
8.8.8.	Error code;	Initialization state	
Common Trouble Code And Countermeasure			

To The Trouble

Codes	Phenomena/explanation	Countermeasure
	Sensor not installed properly,wiring wrong, or used weight too light during initialization;	Check for installation or wiring error; use heavier weight on rated load learning;
	No no load learning performed during initialization process;	Perform no load learning before rated load learning process;
	Mistake with front and back side of magnet;	Ajust front and back side, make the front side be directed at the sensor;
8.8.0	The shift position is too near;	The distance between the controller and the magnet is too near;
18.8.8.	The shift position is too far;	The distance between the controller and the magnet is too far;

PL No load learning .

If the load taken off?

If display _PL.

(Yes) Press

No load learning

If the weight enough?

Rated load

Measuring state

Press 🔞

Waiting for rated load learning.

🕻 Press 🚳

earning done Press

(Yes)

PH

(Yes)

Take load off

(No)

(No)

Add more weight.

(No)

Adjust the distance

between magnet and the thecontroller

Flow Chart For Device Initialization



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NOTE: before fast data modification, please make sure the real load weight, good for both percentage and weight.

Initialization with full weight rated load (In this case, rated load is 2000KG and weight is 2000KG)



NOTE: initialization with full weight , P05 should be 00. The equipment should lift rated load. Input rated load value to P13, press @ to switch display in percentage or in weight.

Initialization with known weight load

(In this case, weight is 800KG and rated load is 2000KG)



NOTE: initialization with any known weight, parameter P05 shoud be 04 and P12 and P13 should also be modified. the equipment should lift known weight during rated load learning period. input rated load value to P13. Press () to switch display in percentage or in weight

Fast parameter modification

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Parameter	Meanings	Parameter Range	Default value
8.8.8.8.	Overload range setting;	00~20–indicates 0~20%, overload relay acts when measuring load exceeds (1+p01%) rated load;	10
8.8.8.8.	Bouncing sensitivity setting;	00~10 – The sensitivity decreases with the value of P02 increasing;	05
8.8.8.8	Spare		00
	Delay time setting for overload relay release;	00~05 – Indicates 0~5 seconds;	02
8.8.8.8.	Mode setting for rated load learning;	00 – Learning with full weight load; 04 – Learning with any known weight load;	00
8.8.8.8	Analog voltage output range setting;	00 – Analog voltage output -10V to +10V; 01 – Analog voltage output 0V to +10V;	00
8.8.8.8.	Light load range setting;	05~75 – Indicate 5~75%, light load relay acts when measuring load is in range of 0% to P07% rated load;	05
8.8.8.8.	Heavy load range setting;	90~99 – Indicate 90~99%, heavy load relay acts when load is in range of P08% to (1+P01%) rated load;	90
8.8.8.8	Light load contact setting;	00 – Contact closes when in light load range; 01– Contact releases when in light load range;	00
8.8.8.8.	Heavy load contact setting;	00- Contact closes, releases on overload ; 01- Contact releases, closes on overload ; 10- Contact closes, no change on overload ; 11- Contact releases, no change on overload ;	10

Procedures For Device Initialization

This system provides 2 initialization methods: ① Initialization with full weight load: if there is enough weight on site and high measurement precision required.

② Initialization with any known weight load: if there is not enough weight on site and high measurement precision required.

According to on site situation, one of the following procedures can be used for Initialization, and following examples may be referred to accordingly.

• Hotkey for prompt tare clearing (In this case, change 8% to 0% in empty load)



NOTE: before clearing tare, please make sure that the equipment has no load, good for both percentage and weight displays.

NINGBO ANT ELECTRONIC CO., LTD | ADD:No. 101, Lane 520, Tongning Road, Investment & Pioneering Park, Jiangbei District, Ningbo City, Zhejiang Province, China TEL:0574-87150639 | FAX: 0574-87150539 | Email: ant@ant-china.com | http://www.ant-china.com



Reset to factory setting

