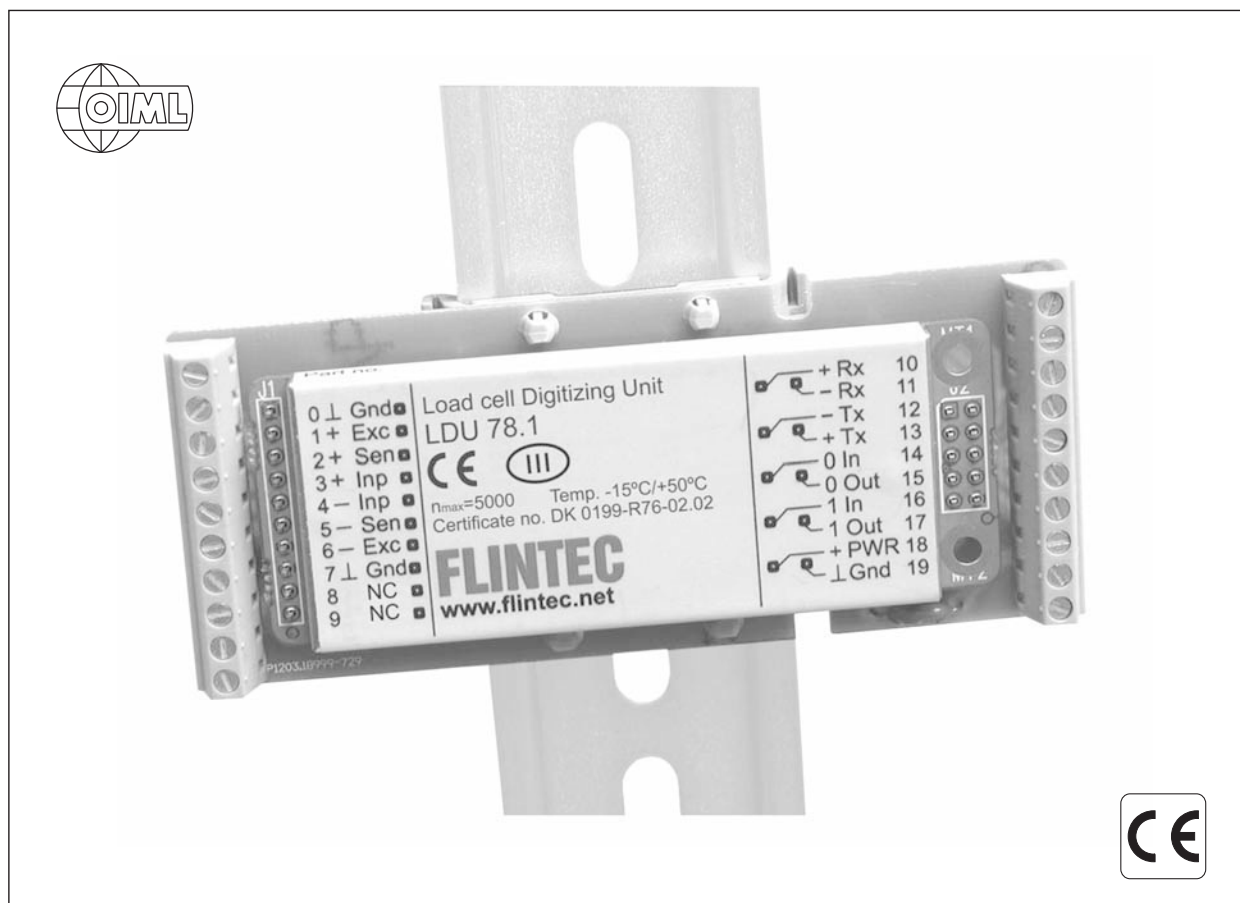


Type LDU 68.1/68.2/69.1/78.1 Load cell Digitizing Unit

LDU 68.1/68.2/69.1/78.1数字模块



Important Features

- Easy converting analogue load cells to digital.
- Internal resolution up to ± 1050000 counts.
- EU Type approved
- Digital filter, programmable.
- Special commands for diff.applications
- Linearity better than 0.002 %.
- 6 wire load cell connection.
- Network function by RS422/RS485.
- Power supply 12 ... 24 V DC.

Options

- Adaptor board(s) with screw terminals; for DIN-rail mounting.
- 8 channel adaptor board with screw terminals for mounting on rail.

主要特点

- 模拟信号转换为数字信号
- 内部精度最高可达 ± 1050000 码
- EU认证
- 数字滤波, 可编程
- 非线性 <0.002%
- 6线制连接
- RS422/RS485
- 电源12...24V DC

选项

- 底座
- 轨道安装

LDU68.1 LDU68.2 LDU69.1 LDU78.1 Specifications 技术参数

Type 规格	LDU 68.1	LDU 68.2	LDU 69.1	LDU 78.1
Accuracy Class 精度	III	n.a.	III	
EU Type approved according OIML 76 认证	5000d	n.a.	10000d	5000d
Linearity 非线性	<0.002%FS		<0.001%FS	<0.002%FS
Excitation: load cell 250-2000ohm 6 wire technique 激励电压	5 V DC		5 V AC	5 V DC
Analogue input range 模拟输入范围	± 2.2mV/V			
Min.input per verification scale interval(vsi) non approved/ approved 最小输入间隔认证/非认证	0.1 μV/0.7 μV	0.1 μV/n.a.	0.02 μV/0.1 μV	0.05 μV/0.7 μV
Resolution internal/external (counts) 精度	± 130000/ ± 99999		± 1050000/ ± 999999	± 260000/ ± 199999
A/D converter 转换	± 17 位		± 20 位	± 18 位
Conversion rate in meas.per second int/.ext 转化率 次/称	90/up to 90		172/up to 172	2400/up to 600
Digital filter 数字滤波 (Hz)	0.02-5/8 位		0.2-3/6 位	0.25-18/2.5-19.7
Filter Mode 滤波模式	Bessel		Bessel/Gauss/ Butterworth	FIR/IIR 8 位
Calibration 标定	软件标定和设置			
mV/V calibration/linearization 线性标定 /调整	n.a.		7 点	n.a.
Computer interface 通讯端口	RS485/RS422 9600...115200波特率最多可连接32台装置(RS485)			
Weighing functions 称重功能	清零, 皮重, 去皮, 净重, 滤波等			
Inputs opto-isol.,10... 30V DC max.3mA 输入	2	n.a.		2
Output,OC,<30V DC max.200mA 输出	2	n.a.		2
Temperature effects on zero typ./max (°C) 零点温度系数	5ppm/<10ppm	15ppm/<30ppm	1ppm/<2ppm	5ppm/<10ppm
Temperature effects on span typ./max (°C) 满量程温度系数	3ppm/<5ppm	8ppm/<15ppm	1ppm/<2ppm	4ppm/<8ppm
Temperature range 温度范围	-10°C到+50°C (工作), -20°C到+60°C (储存)			
Enclosure 外壳	镀锡钢外壳, 防护等级 IP40, 特殊外壳防护等级达 IP65			
Dimensions 尺寸	82 × 31 × 6mm 重 30g, 带底座 99 × 41 × 12mm 重 50g			
Power supply 电源	12... 24V DC ± 10%,<60mA			
Options 选项	UA73.2 底座 (RS485/RS422) 或 UA77.1 (RS422 转 RS232)			
EMC 电磁认证	CE 73/23/EEC, 93/98/EEC 和 89/336/EEC			

System Configuraton 系统结构 (示例LDU78.1)

