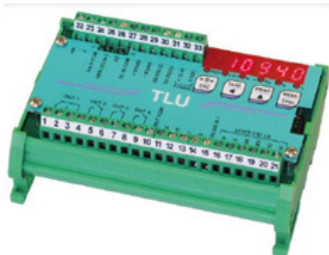


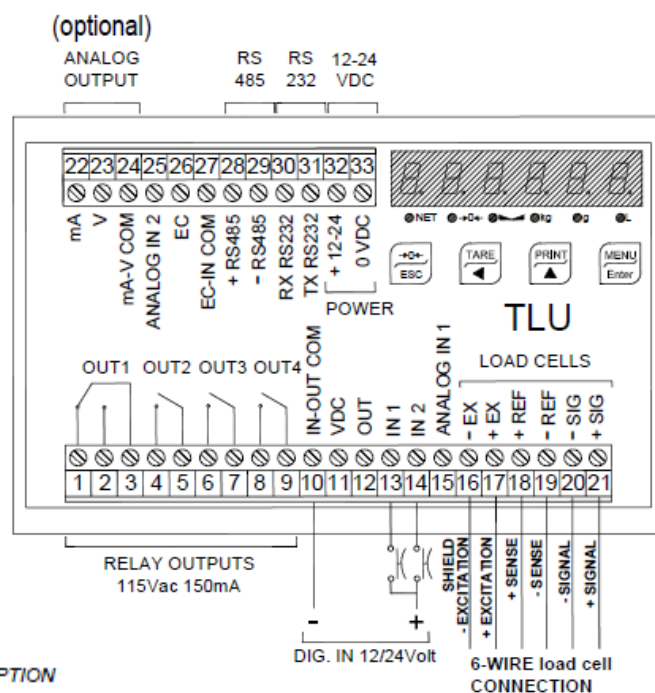
# TLU \_ Analog- Digitalwandler mit Analogausgang



Wägeindikator für Omega/DIN rail Montage  
 Six-digit semialphanumerisches Display (8 mm h), 7 Segment LED.  
 Four-key Tastatur.  
 Maße: 123 x 92 x 50 mm.  
 IP67 box Version: 170x140x95 mm.  
 Four fixing holes diameter 4mm (centre distance 122x152 mm).  
 -permanente Wägezellenverbindungsüberwachung  
 - RS485 and RS232 serialInterface für Anschluß an PLC, Fernanzeige usw.  
 Bis zu 32 instruments (max 99 with line repeaters) by ASCII Laumas protocol  
 (compatible with W60000) or ModBus RTU Protocol.

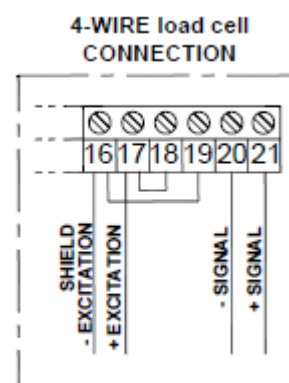


16-bit Analog output: 0/4-20 mA; 0-5/10 V;  $\pm 5/10$  V  
 (optional)  
 RS232 and RS485 ports (Modbus RTU/Laumas ASCII protocol)  
 2 logic inputs, 4 relay outputs  
 Mounting on Omega/DIN rail for back panel or junction box  
 Box versions: IP67, IP67 ATEX II 3GD  
 A/D converter 24bit (16000000 points) 80 Hz  
 Load cells connections continuous check  
 Display range 999999



12 - 24 VDC +/- 10% ; 5 W  
 max 8 ( 350 ohm ) ; 5VDC/120mA  
 < 0.01% Full Scale / < 0.01% F.S.  
 < 0.0005 % F.S. /°C < 0.003% F.S. /°C  
 24 bit (16000000 points) 80Hz  
 $\pm 999999$   
 $\pm 19.5$  mV  
 $\pm 3$  mV/V  
 80 conversions/sec.  
 - 999999 ; + 999999  
 0 - 4 ; x 1 x 2 x 5 x 10 x 20 x 50 x 100  
 0.080 - 7.5 sec / 5 - 80 Hz  
 N.4 - max 115 VAC / 150mA  
 N.2 - optoisolated 5 - 24 VDC PNP  
 RS485, RS232  
 2400, 4800, 9600, 19200, 38400, 115200  
 85 %  
 - 30°C + 80°C  
 - 20°C + 60°C

POWER SUPPLY and CONSUMPTION  
 No LOAD CELLS IN PARALLEL and SUPPLY  
 LINEARITY / LINEARITY OF ANALOG OUTPUT  
 THERMAL DRIFT / THERMAL DRIFT OF ANALOG OUTPUT  
 A/D CONVERTER  
 MAX DIVISIONS (with measure range: +/- 10mV = 2mV/V)  
 MEASURE RANGE  
 MAX LOAD CELL'S SENSITIVITY  
 MAX CONVERSIONS PER SECOND  
 DISPLAY RANGE  
 DECIMALS / DISPLAY INCREMENTS  
 DIGITAL FILTER / CONVERSION RATE  
 LOGIC RELAY OUTPUTS  
 LOGIC INPUTS  
 SERIAL PORTS  
 BAUD RATE  
 HUMIDITY (condensate free)  
 STORAGE TEMPERATURE  
 WORKING TEMPERATURE



**ANALOG OUTPUT version (mod. TLUANA): opto-isolated 16 bit analog**  
 output: 0-20 mA; 4-20 mA (max 300 ohm); 0-10V; 0-5V; +/-10V; +/-5V (min 10 kohm)