

DKIP31473

Universal Signal Converter

SSI —▶ parallel
RS232 —▶ parallel
SSI —▶ RS232



- Suitable for operation with sensors and encoders using SSI interface
- Converts SSI data as well as serial data to parallel data format
- Parallel output 25 bits (push-pull, short-circuit proof)
- RS232 interface for serial readout of the sensor data
- SSI: Master or Slave operation
- Linearization facilities by freely programmable input-output curves
- Additional facilities like bit-blanking, round-loop-operation etc.
- 18–30 volts DC power supply

1. Specifications and Dimensions

Power Supply	:	18...30 VDC
Power consumption	:	approx. 200 mA
SSI Inputs	:	TTL differential, RS422 standard (1.0 MHz)
SSI Input Format	:	13, 21 or 25 Bit, Gray Code or Binary Code
SSI break time	:	min. 4 clock cycles
Hold input	:	HTL, PNP-switching, High > 10V , Low < 3V (Ri = 5k)
Parallel outputs	:	max. 35V at COM+ *) Load 1.2k at 24V + 10% (Ri = 600 Ohm)
Parallel Output Format	:	Binary / Gray / BCD Code
Temperature-Range	:	Operation: 0° ... +45° C (+32 ... +113° F) Storage: -25° ... +70° C (-13 ... +158 ° F)
Weight	:	approx. 190 g
Conformity and Standards	:	EMC 89/336/EEC: EN 61000-6-2 EN 61000-6-3 LV73/23/EEC: EN 61010-1

*) Short circuit proof can be guaranteed only up to +27 Volts max.

