

TDS

Digital Temperature Measuring Chain

GLÖTZL

GLÖTZL

GLÖTZL

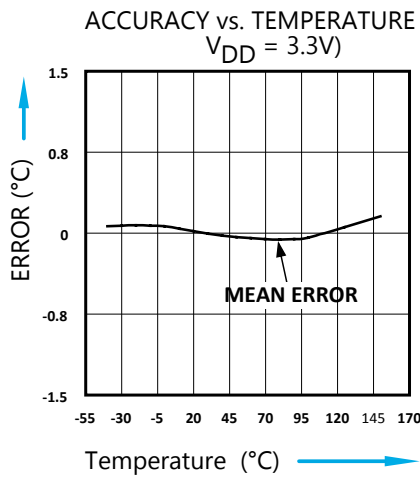
GLÖTZL



The temperature sensors TDS (Temperature Digital Sensor) consist of a digital temperature sensor with integrated measure value adjustment and 16-bit A/D-converter. The communication is via I²C-bus and allows the extension to a digital temperature measuring chain with up to 32 addressable sensors.

Each chain includes a controller (DCT) with which numerous chains can be connected in a row. The measurement and data recording is possible with the MCC.

The sensor housing is made of stainless steel with pressure-tight sealing.



Technical Specifications

Accuracy:	Type: ±0.1 °C, Max: +0.5 °C
Precision:	0.0625 °C
Temperature range:	-40 °C up to 105 °C
Extended Temperature range:	-55 °C up to +150 °C
Protection Class:	IP68



Fig.: Measurement Communication Control System MCC S

SCHEMATIC LAYOUT

Digital Temperature Measuring Chain

