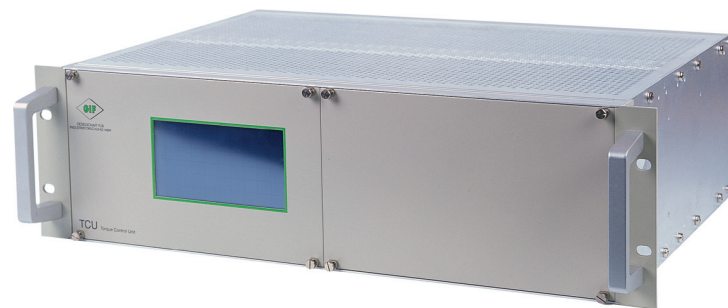


# TCU19

## Evaluation Unit

### Description

The TCU19 evaluation unit provides all the required supply voltages for the operation of one or two torque measurement system(s). A graphical touch screen display is used for configuration and display of the measurement values. The system has a modular design allowing numerous combination possibilities, for example the connection of 2x double telemetry system with highly dynamic analog outputs. The card bay on the back side of the evaluation unit has 13 free slots that can be equipped with additional cards. The cards communicate via CAN bus. Possible software updates and data exchange can be carried out via the serial interface.



### Features

- 19 inch 3 U multi channel evaluation unit
- Broad range for voltage supply 85-264VAC (47-440Hz), via adapter also 12VDC
- Graphical touch screen LC Display
- CAN-Bus prearranged
- Serial interface with terminal function
- 13 free slots



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|                               |   |
|-------------------------------|---|
| Type                          | Multi channel   |
| Voltage supply                | 85-264VAC 47-440Hz<br>12VDC via adapter                                       |
| Dynamics analog output torque | 800 values /s<br>or 1,5kHz via<br>plug-in card with a<br>resolution of 16 Bit |
| Dynamics analog output speed  | 800 values /s with a<br>resolution of 16 Bit                                  |

## TECHNICAL DATA

|   |                              |
|---|------------------------------|
| Type  | Multi channel                |
| Voltage supply                                | 85-264VAC 47-440Hz           |
| Optionally via adapter                        | 12VDC                        |
| Power   | Max. 150W                    |
| Power supply                                  | AC power socket              |
| Display                                       | 256x128 dot touch screen LCD |
| Types of display depending on installed cards |                              |
| Serial interface                              | RS232 9600 Baud              |
| Dimensions                                    | (WxHxD) 437 x 133 x 330 mm   |

## OPTIONS

|                |  |
|----------------|--|
| Plug-in TC104  | <p>Central connection for torque measurement shaft<br/>12-pole or 10-pole:</p> <ul style="list-style-type: none"> <li>■ measurement of torque / speed with 800 values /s</li> <li>■ 2x analog output 16 Bit</li> </ul> |
| Plug-in TC202  | <p>High dynamic analog output torque</p> <ul style="list-style-type: none"> <li>■ 1,5kHz dynamics</li> </ul>   |
| Plug-in TC308  | <p>8-channel temperature evaluation</p> <ul style="list-style-type: none"> <li>■ thermocouple type J/K</li> <li>■ 8x analog output</li> </ul>  |
| Plug-in TC401  | <p>1 channel speed measurement system:</p> <ul style="list-style-type: none"> <li>■ max. 800 values /s</li> <li>■ input pick-up / TTL / RS422</li> <li>■ 2x analog output</li> </ul>                                   |
| Other plug-ins | On customer request  |

Order Number

TCU19

Plus number and name  
of required plug-ins (see options)