*Příloha č. 2 Kupní smlouvy*

*Annex 2 to the Purchase Agreement*

# Strain-gauge data acquisition system for CTU FTS

**Elsys AG Solution Description**

## Strain Gauge Pre-Amplifier

|  |  |  |
| --- | --- | --- |
| Position | # of Pcs | Specification |
| 20 | 1 | **Amp-BU-24-MK2**   * 19 Inch Rack * Up to 12 SGA-MK2 Rack Insert Modules (24 Channels) * 230V Power Supply * USB Interface for channel configuration * Incl. Control Software |
| 21 | 6 | **SGA2-MK2 Strain Gauge Amplifier**   * Gain 1, 10 , 100 * 5V / 10 V Bridge Excitation * Quarter/ Half / Full Bridge Mode * 7-Pol Lemo Input Connector, BNC Output * Auto-Bridge Balancing * High Band-Width (1.5MHz at Gain 1/10) * <https://www.elsys-instruments.com/en/products/straingaugeamplifier.php> |
| 22 | 12 | **Lemo cable connector 7-pol**   * FGG.1B.307.CLAD62 |
| 23 | 12 | **BNC Cable SGA2-MK2 🡪 DAQ** |

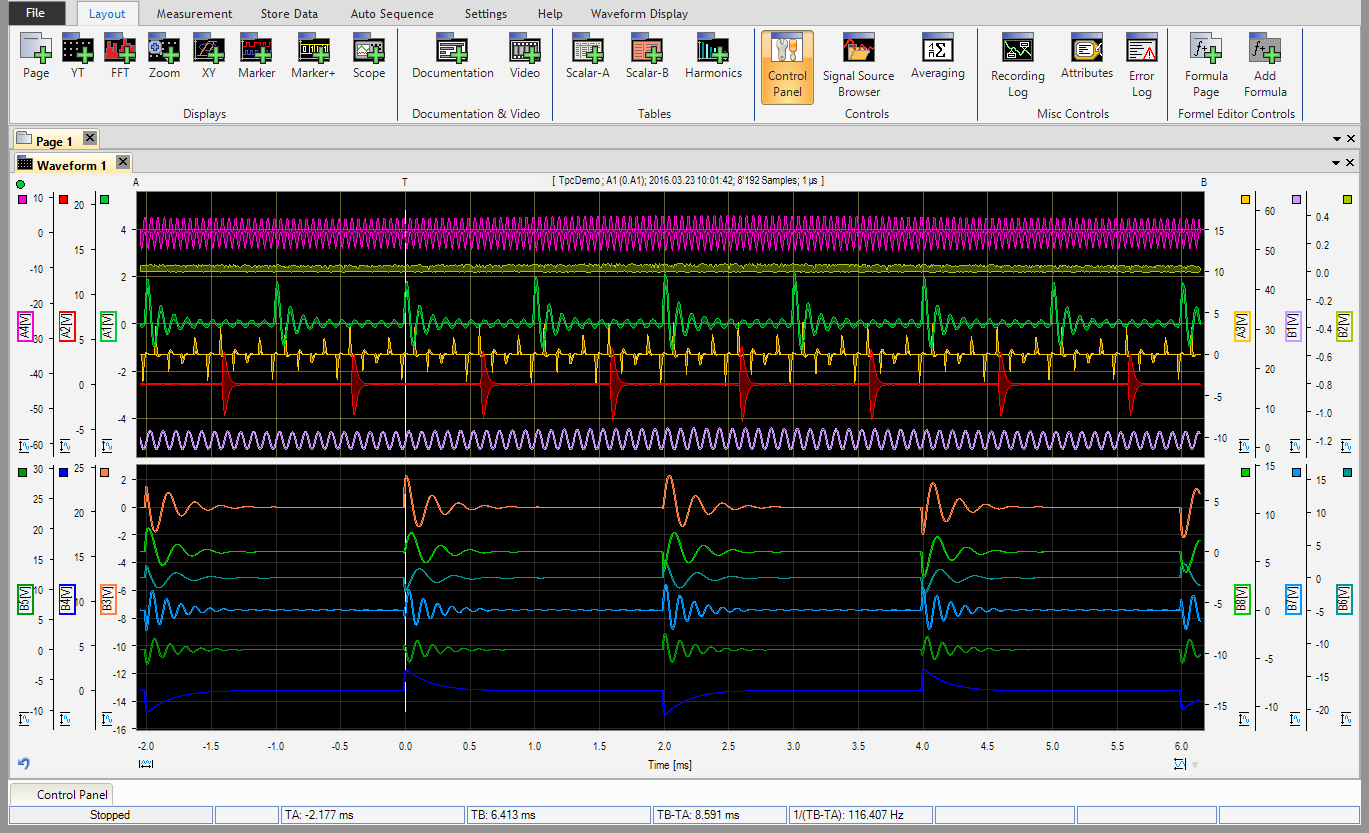
 **Picture as example only**

## Data Acquisition System

|  |  |  |
| --- | --- | --- |
| Position | # of Pcs | Specification |
| 10 | 1 | **TraNET EPC**   * Industrial PC in a 19 Inch case for up to 32 channels * Intel i5 or better CPU, 8 GB RAM, SSD System drive * Windows 10, 64 Bit * 1 TB Data Drive * without Monitor * <https://www.elsys-instruments.com/en/products/data-acquisition-system-tranet-epc.php> |
| 11 | 1 | **TPCE-1016-8S DAQ Module**   * 8-ch Single Ended or 4-ch differential inputs * Max Sampling rate: 5 MS/s 16 Bit, 10 MS/s 14 Bit * On-Board Memory 8x16M * Input Range per channel: ±50mV - ±50V * Anti-Aliasing Filter, 200 Hz – 5 MHz cut-off frequency * BNC Input Connector * <https://www.elsys-instruments.com/en/products/tpce_data_acquisition_card_pcie.php> |
| 12 | 1 | **TPCE-1016-4D DAQ Module**   * 4-ch Single Ended or 4-ch differential inputs * Max Sampling rate: 5 MS/s 16 Bit, 10 MS/s 14 Bit * On-Board Memory 4x32M * Input Range per channel: ±50mV - ±50V * Anti-Aliasing Filter, 200 Hz – 5 MHz cut-off frequency * BNC Input Connector (+- BNC-Pair per Input Channel) * <https://www.elsys-instruments.com/en/products/tpce_data_acquisition_card_pcie.php> |
| 30 | 1 | **TranAX 4 Data Acquisition Software**   * <https://www.elsys-instruments.com/en/products/tranax4_data_acquisition_software.php> |



**TraNET EPC – Example Image**



**TranAX 4 DAQ Software**

## Additional Services included in the price

* Calibration Certificate for SGA Amplifier and DAQ Modules
* ½ Day Online Training
* Transport and Insurance
* 24 Month Warranty

Niederrohrdorf, 05.06.2020/RB