MeasComp2003 in Wiesbaden, Germany:

LTT presents Extrinsic Measurements with Transient Recorders

Würzburg, 1.7.2003: Labortechnik Tasler GmbH (LTT), a leading Manufacturer of PC-based transient recorders has added revolutionary new features to its product series LTT-18x. LTT will present the news at the MeasComp 2003 in Wiesbaden.

The improved management software LTTview enables the user to undertake extrinsic measurements using the built in RPM channel ("Rotation Per Minute"). The RPM channel allows the display of a time gap between two external pulses in a row. This feature of the LTT measurement devices is extremely helpful when rotating movements are to be investigated, e.g. to measure the rotational consistency of engines or to identify torsion modes.

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The LTT RPM feature opens new horizons expecially when measurement is synchronized to an external pulse. This synchronization signal tells when LTT should record the data from the sensors, and with help of the RPM signal, which measures the time between pulses, the user receives temporal information for the measured data. The LTT device records the measured data from the individual sensor according to the external pulse signal.

"LTT has integrated RPM with its devices, because our customers in the automotive sector were desperately looking for such a solution" says Michael Tasler, Managing Director of LTT GmbH. "One of our customers who is developing truck engines uses a disk with holes in it which he attaches to a rotating axis with the task to measure signals in relation to the axis rotation. The LTT RPM feature gives him the great advantage of measuring the performance of engines after a cold start and to detect the most tiny details of the ignition timing".

LTT-18x is connected to a PC using SCSI, FireWire or USB2. The transfer rate enabled by a patented SCSI interface reaches as much as 17.6 MB/s. This extremely high throughput allows for very long measurements at high temporal resolution which opens a new world of possibilities for the work of professional developers.

LTT transient recorders include 8 or 16 differential analog inputs and offer a precision of 16 bit at a sampling rate of up to 2.5 MHz) and a precision of 12 bit at a sampling rate of 20 MHz respectively. To use the LTT device offline independent of a PC an internal hard drive is available (18 GB or 1 GB flash disk). The management software LTTview is included in the package price. For maximum flexibility a power supply with 9-36VDC / 100-240VAC is delivered.

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