

MULTI CHANNEL DATA LOGGER (8 CHANNEL)

The **Multi Channel Data Logger** is a high-precision, versatile data acquisition system designed for industrial, laboratory, and research applications. It enables real-time monitoring, recording, and analysis of displacement, position, and other critical parameters using Linear Variable Differential Transformers (LVDTs).

Key Features:

- Multi-Channel Input – Supports multiple LVDT sensors simultaneously for comprehensive data logging.
- High Accuracy & Resolution – Ensures precise measurements with minimal signal noise.
- Real-Time Data Acquisition – Captures and logs data in real-time for detailed analysis.
- User-Friendly Interface – Intuitive touchscreen or PC-based software for easy operation.



Technical Specifications :

Model Number	NL 7080 X / 001
Insulation Resistance	≥100 MΩ (Based on 500V DC MEGA)
Insulation Strength	2000V AC (Test Condition: 50/60 Hz, 1 minute)
Anti-Interference	IEC61000-4-2 (ESD), level III IEC61000-4-4 (Electrical Fast Transient Burst), level III IEC61000-4-5 (surge), level III
Working Temperature	-20°C~50°C; avoid direct sunlight; temp change rate less than 10°C/h
Working Humidity	20% ~ -80% RH (for temp between 5 and 40°C), 10% ~ -50% RH (for temp between 40 and 50°C), no condensation
Screen	3.2-inch TFT Color LCD Display (320 x 240)
Brightness	Adjustable between 70%~100%
Internal Storage	64 Mbit
Data Export	USB (Device), USB 1.1 / 2.0 (Protocol), Max. Capacity 32GB
Number of Input Channels	Two channel boards (16 input channels) are supported
Measuring Rate	0.1s
Accuracy	± 0.2% F.S
Power	180 ~ 240 V AC 50/60 Hz, 20VA (including optional functions)

*1 Copy of Instruction Manual

Unit Consists Of :

Model Number	Parts Description	Qty
NL 7080 X / 001 – P 001	Main Unit Data Logger	1 unit
NL 7080 X / 001 – P 002	LVDT Probe (2m)	8nos.