

Supplementary Materials

PDMS-Encapsulated MXene@Polyester Fabric Strain Sensor for Multifunctional Sensing Applications

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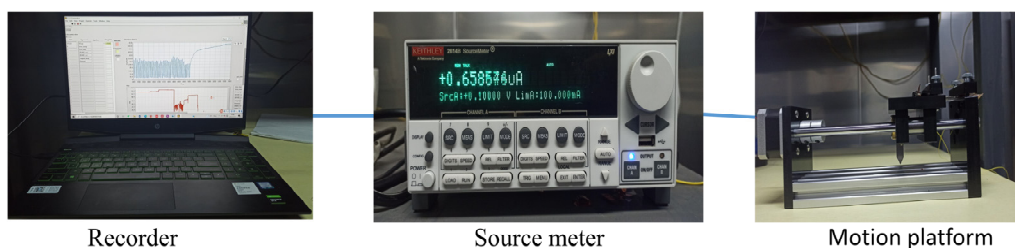


Figure S1: The measurement setup for the PMPF strain sensor

Table S1. The comparison of performance parameters between our strain sensors with other reported fabric-based strain sensors

Sensor composition	Fabrication methods	Strain range	Max Gauge Factor	Refs.
PU/CNT@Fe2+ Fibers	patterning impregnation method	50%	36	[1]
RGO/AgNW/Fabric	Cold spraying method	160%	-0.56	[2]
Graphene-based Fiber	Dipping	100%	10	[3]
Graphene/Polyimide Fabric	a UV laser direct writing technique	4%	27	[4]
Graphene/Polyester	Dipping	15%	-26	[5]
Graphene/Cotton Fabric/Pdms	Dipping	75%	2.49	[6]
Graphene/Silk fabric	Hot press method	10%	124.5	[7]
MXene/Nylon Fabric	Dipping	20%	24.35	[8]
MXene/Polyester/Pva	Layer-by-layer self-assembly	50%	288.43	[9]
MXene/Cotton Fabric	Dipping	15%	4.11	[10]
MXene/Polyester/Pdms	Dipping	8%	61.2	This work

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