SoftPulse® Pad

Dry Conductive Elastomer Pad Electrode

SoftPulse® Pad is a dry conductive elastomer electrode with Ag/AgCl coating applied on the skin-facing side for high-quality biopotential signal acquisition.

The flexible pad design and multiple thickness options enable easy integration into a wide range of wearable and clinical applications without the use of conductive gel.

KEY FEATURES

- **Ag/AgCl coated surface for stable and low-noise signals**
- **Easy integration with snap connector**
- **Low ETI for high signal quality**
- **Biocompatible and latex-free**
- **High conformability and flexibility**
- **Scalable and production ready**

THICKNESS OPTIONS (0.5mm I 1.0mm I 2.0mm)

Three thickness variants to optimize comfort, conformability and mechanical performance.



Front
Ag/AgCl Coated Surface



Back
Connector Interface

Contact us to learn more.

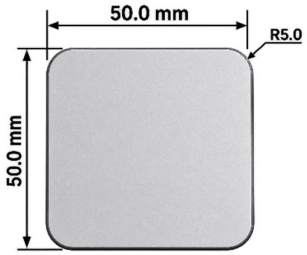
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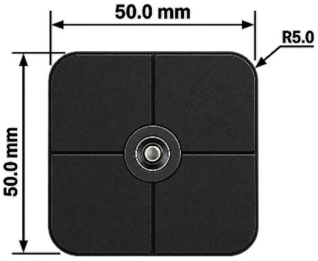
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PRODUCT DIMENSIONS



Size: 50.0 × 50.0 mm



ECG (Standard Snap)

Pad Size	50mm x 50mm
Contact Area	2500 mm^2
Thickness	0.5mm / 1.0mm / 2.0mm

COMPLIANCE

ISO10993-5/10/23. RoHS. REACH. LATEX FREE.

MECHANICAL CHARACTERISTICS

Material	Conductive Elastomer
Surface (Top)	Ag/AgCl Coating
Surface (Bottom)	Connector Interface
Hardness	82 ± 3 Shore A
Operating Temp.	-25°C to +150°C
Storage Temp.	Room temperature

ELECTRICAL CHARACTERISTICS

Parameters	Condition	Typical	Unit
Electrode Type	-	Dry Conductive Elastomer	-
Signal Types	-	EEG, EOG, EMG, ECG	-
Specific Resistivity	20 – 10’000 Hz	<20	Ω cm
Specific Skin Impendence	10 Hz	30 - 80	10^6 Ω·mm^2
Connector Type		Standard 4.0 mm ECG Snap	-
Recommended AFE characteristics		Input impedance > 1 G Ω	-

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