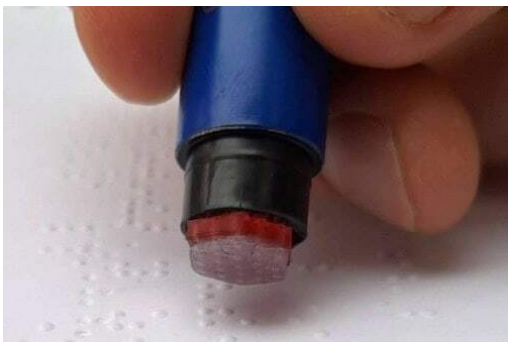
Braille-tip,an assistive pen

Experts at the University of Bristol have developed a sensory pen that can transform Braille into English text.The handheld assistive device, which includes a one-centimetre sensor with 19 channels programmed to read Braille, has demonstrated high accuracy in early trials, the university states.

Lead author Dr George Jenkinson explained: “This device, Braille-tip, was designed to aid people’s ability to learn independently, and will hopefully form part of the solution to increasing Braille literacy and allow people to reap the benefits of reading and writing.”

Braille-tip is a compact soft tactile sensor that can be mounted on a standard pen and is designed to dynamically assist with reading and learning Braille.

Fluid channels are used to transmit tactile information from 19 sensitive areas under a silicone membrane to a single camera which has real time code to reading Braille aloud.



Picture shows the blue colour broad pen with red and white tip placed on brailled paper