

DIGITAL PEN

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A **digital pen** is an input device which captures the handwriting or brush strokes of a user, converts handwritten analog information created using "pen and paper" into digital data, enabling the data to be utilized in various applications. For example, the writing data can be digitized and uploaded to a computer and displayed on its monitor.

This Digital Pen

- Provide instant access to our field based form information.
- Remove need to retain & scan any original forms.
- Remove data entry requirements to convert form information.
- Allow this information to be shared globally across our organization.

Pen & paper remain simplest & most convenient way for mobile workers to capture information. This pen uses a digital pen & specific paper forms for electronic data capture as the user writes. Despite looking like a conventional pen it also includes a tiny camera. Paper used for this pen includes a dot pattern that is almost invisible to naked eye. This dot pattern is read by camera as user writes & logs the exact position of writing on form in real time. After completion of form, user would tick small check box & data would then be automatically transferred to head office using user's mobile phone. It is easy to use incredibly portable & very cost effective form of electronic data capture. The delivered form output is of highest quality & appears as though original paper form had been scanned using high quality document scanning services. In office scenarios digital pen would communicate information stored on the pen via a USB cradle attached to a computer. In a field based scenario solution would send this information via the user Bluetooth mobile phone. This pen provides real time access to information capture in field & eradicates need to scan paper based forms in order to store them online. It also eradicates need for any business to collect & type in form based information delivering further cost reduction.