

## Further technical specifications for Electronic Adherence Monitoring Systems

Design principle	QOLPAC b.v. OtCM™	Future Technology UK Ltd. SMARTpack™	GP Solutions UK Ltd. E-wallet™
<b>Components</b>			
Substrate	flex circuit-flexible self-adhesive film on which circuit is printed	flexible film on which circuit is printed	flex circuit-flexible self-adhesive film on which circuit is printed
Opacity	transparent	transparent	opaque
Circuitry	single circuit with interspersed resistors	multiple circuit (1/pill)	multiple circuit (1/pill)
Conductive ink	copper or silver	silver	silver
Ink cure	hot	cold	hot
Flex circuit position	overlay over existing foil/film backing through which pills are pressed	composite pack and seal through which pills are pressed	overlay over existing seal encased within cardboard outer
Application of film to pack	applied at pharmacy	applied at pharmacy or place of manufacture	applied at manufacture
Power source	coin cell battery	GPRS pack has rechargeable battery and NFC coin cell battery	coin cell battery
RFID	yes	yes	yes

## Illustrations of candidate electronic adherence monitoring units

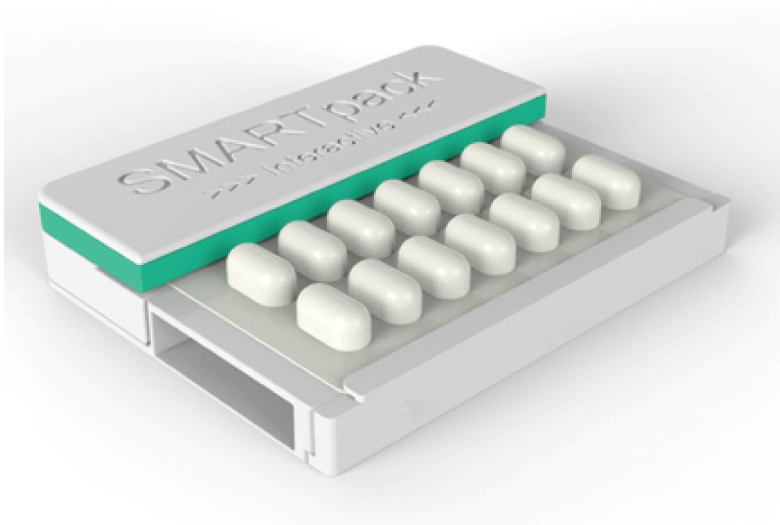
### QOLPAC b.v. OtCM™

Two circuits interspersed with resistors (positions represented by rectangles on circuit). Lines between resistor positions cover pill positions. Faint ovals joining resistor positions are pre-cut for easy removal of pills. The monitoring unit attaches at the left hand end. Approximately 14cm long.



### Future Technology UK Ltd. Smartpack™

A usual care blister pack slides onto a rigid base comprising a pre-cut platform through which pills are pressed. The pack is then tipped and the pill falls from the opening at the end onto the patient's hand. The GPRS monitoring unit is housed adjacent to the blister pack. Approximately 14 cm in length.



### GP Solutions UK Ltd. E-wallet™

The usual care blister pack is permanently sealed into the white cardboard outer at the factory. The monitoring unit is housed within the pack in the area below the pills. Example shown is 17cm in length

