

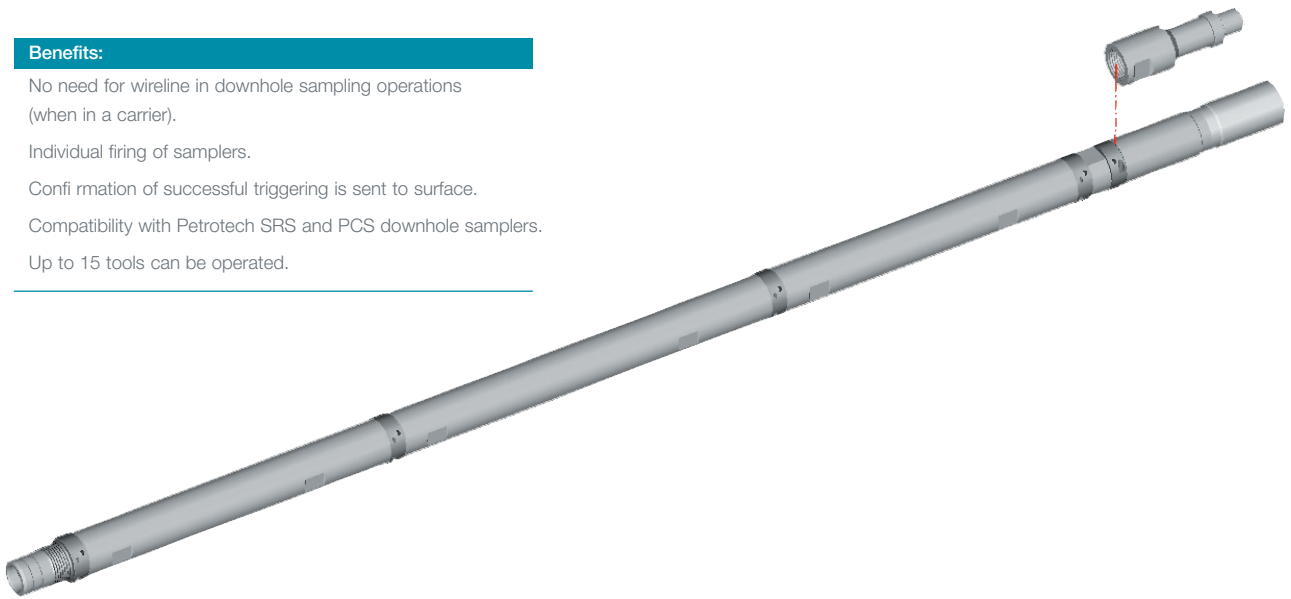
MultiTool acoustic transceiver (MAT)

Wireless trigger system

Expro's Petrotech MAT is a downhole wireless two-way communication system. The tool can be run on electric-line or mounted in sampler carriers. The MAT can be used for remote triggering of downhole single-phase samplers or for data transmission of measured parameters (Fluid ID sensor data such as density, viscosity, pressure, temperature etc.) downhole.

Benefits:

- No need for wireline in downhole sampling operations (when in a carrier).
- Individual firing of samplers.
- Confirmation of successful triggering is sent to surface.
- Compatibility with Petrotech SRS and PCS downhole samplers.
- Up to 15 tools can be operated.



Features:

- Individually trigger downhole samplers run on electric-line from surface (through SRO-system).
- Trigger downhole samplers mounted in a carrier by use of annulus pressure patterns applied from surface (pressure pulse or rupture-disc).
- Electronic timer backup system to trigger samplers on a pre-set time.
- Error checking on all acoustic telegrams.

Technical Specifications:

Length	3078 mm
Weight	22 kg
Working Pressure	15,000 psi
Working Temperature	150°C
Maximum OD	1.75"/44 mm
Material	17/4 PH
Pressure sensor range	0-15,000 psi
Battery lifetime	14 days (depending on temperature)