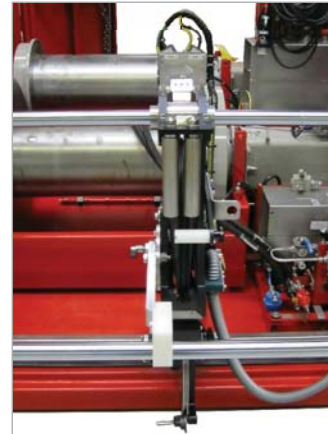


MP16 II Measuring Head

This design is a combined hydro-mechanical wireline depth and tension measurement system enabling both wireline depth and tension signals to be provided to a separate remote display. An accurate tension display can be achieved when used in conjunction with an Elmar CombiGauge design using the MP16 II integrated hydraulic load cell. Accurate depth display is achieved by means of a mechanical cable output from the depth gearbox mounted to the measuring head. This measuring head is a three wheel wrap around design comprising two upper wheels and one lower wheel. Wireline replacement can be achieved without cutting of the rope socket.



Innovative concept replacing remote load cell system at wellhead sheave pulley, the MP16 II can operate at variable rig up angles reducing K-Factor error. Wire oil lubricator tank is fitted to measure head. Can accept pressure transducer on tension load cell circuit for digital signal to Automation Products system. Can accept optical encoder on depth measuring wheel for digital signal to Automation Products system.



Dimensions & Weights

(L) 0.55 m, 1.80 ft (W) 0.27 m, 0.89 ft (H) 1.06 m, 3.48 ft (Weight) 54 kg, 119 lbs

Hydraulic Drive System

- Short hose to CombiGauge tension display for maximum tension accuracy.
- Hydraulic tension load cell with sensitive membrane between pivoted upper and lower bodies

Slickline Capability

- Designed for super light duty (.092") to heavy duty (.135") slickline operations

Swabbing & Fishing Capability

- Designed for light duty (3/16") braided line operations

Logging Capability

- Designed for light duty (3/16") to medium duty (7/32") mono-conductor line operations

Transmission

- Used with different ratio single or dual output depth gearbox fitted to measuring head
- Precision machined depth gearbox systems available for all wireline sizes
- Short cable between depth gearbox and CombiGauge to provide excellent depth accuracy

Depth & Tension System

- Operates in conjunction with CombiGauge hydro-mechanical combined depth and tension gauge
- Configurable for feet or metres
- Configurable for lbs or kg

Features & Benefits

- Suitable for .092" to 7/32" operations
- 3 wheel wrap around design with two separate upper wheels & one single lower wheel
- Upper section & lower sections hinged with one integral hydraulic load cell for tension signal
- Operates in conjunction with Elmar CombiGauge combined depth & tension display panel
- Wireline with rope socket or logging head intact can be removed from side of measuring head
- Upper two wheels rotate independently to remove risk of wireline rubbing
- Aluminium main body construction with stainless steel wheels & components
- Max. line tension stand 0-2,000 kg (0-4,400 lbs)
- Max. line tension HD 0-4,000 kg (0-8,800 lbs)

Options

- Range of precision machined single or dual output gearboxes for accurate depth measurement
- Electro-hydraulic pressure transducer system for electronic tension signal to SmartMonitor
- Optical encoder for electronic depth & speed signal to SmartMonitor
- Hydro-pneumatic automatic wire spooling system
- Wire oiler tank with adjustable nozzle control
- Loadpin (Ex)
- Second encoder
- Calibration tool incl. test wire (Part no.: A1043086)

