

The ultimate agricultural, construction & heavy plant Minimess® pressure test kit

Minimess® Monster



The ultimate universal pressure testing service tool for service engineers & maintenance professionals. Developed for engineers servicing a wide range of different mobile hydraulics machinery and manufacturers.

Agricultural
Construction
Off Road
Heavy Plant
Lifting & Platforms



Minimess® Monster

Adaptors & connections overview

The Minimess® monster test kit comes with a huge range of test point adaptors to Minimess® 1620 series connection, allowing for simple & safe tool-free connection to almost any test point variant fitted to mobile hydraulic machinery. To create connection into hydraulic lines, the kit comes with a large range of male / swivel female test tees with Minimess® 1620 test points fitted to suit BSP, metric, JIC and O RFS hose and pipework, all with blanking caps and plugs to seal off the lines, if required.

| | | | | | |
|---|---|---|--|--|-----------------------------------|
| Minimess® 1620 |  | ✓ Amman ✓ Gehl ✓ Ingersoll ✓ Terex | ✓ Case ✓ Hyundai ✓ Rand | ✓ Claas ✓ JCB ✓ Marini | ✓ Demag ✓ LiuGong ✓ Wirtgen |
| Diagnostic flat faced quick release |  | ✓ Bobcat ✓ Dresser ✓ John Deere ✓ Massey | ✓ Caterpillar ✓ Gehl ✓ Manitowoc ✓ Furguson | ✓ Claas ✓ Genie ✓ New Holland ✓ Fendt | ✓ Case ✓ Grove ✓ Terex |
| Diagnostic quick release with internal probe |  | ✓ Komatsu | ✓ Hitachi | | |
| Diagnostic quick release with internal probe |  | ✓ Volvo | ✓ Hiab | | |
| Minimess® 1615 |  | ✓ Volvo ✓ Case | ✓ Samsung | | |
| Minimess® 1215 |  | ✓ Kawasaki ✓ Daweoo | ✓ Doosan ✓ Claas | | |
| 5/8" BSF test plug |  | ✓ JCB | | | |



OR



OR



OR



BSP 60° coned male / swivel female with blanking plugs and caps.

Metric 24° DKO male / swivel female with blanking plugs and caps.

JIC 37° flar male / swivel female with blanking plugs and caps.

ORFS male / swivel female with blanking plugs and caps.

Minimess® Monster Kit Contents

Upper Layer (Removable Tray 1)



- | | |
|--|---|
| 1 Minimess 1620 test point M10x1.25 male. | 9 Minimess 1620 test point 1/4" NPT male. |
| 2 Minimess 1620 female to G1/4" BSP female gauge. | 10 Minimess 1620 test point 1/8" NPT male. |
| 3 Minimess 1615 female to Minimess 1620 male adaptor (x2). | 11 Minimess 1620 test point M10x1 male. |
| 4 Minimess 1215 female to Minimess 1620 male adaptor (x2). | 12 Minimess 1620 test point M12x1 male. |
| 5 Diagnostic quick release with internal probe (Volvo & Hiab) to Minimess 1620 test point adaptor (x2). | 13 Minimess 1620 test point 9/16"-18 UNF male. |
| 6 Diagnostic quick release with internal probe (Hitachi & Komatsu) to Minimess 1620 test point adaptor. | 14 Minimess 1620 test point 7/16"-20 UNF male. |
| 7 Diagnostic flat-faced quick release to Minimess 1620 test point adaptor. | 15 Minimess 1620 test point 1/4" BSP male. |
| 8 5/8" BSF test plug (JCB) to Minimess 1620 test point adaptor. | 16 Minimess 1620 test point 1/8" BSP male. |

Minimess® Monster Kit Contents

Bottom Layer (Fixed Tray 2) & Case Lid



- 1** 3/8" BSP male/swivel female test tee with Minimess 1620 test point. 3/8" BSP solid plug & cap.
- 2** 3/4" BSP male/swivel female test tee with Minimess 1620 test point. 3/4" BSP solid plug & cap.
- 3** 1.1/4" BSP male/swivel female test tee with Minimess 1620 test point. 1.1/4" BSP solid plug & cap.
- 4** 9/16"-18 JIC male/swivel female test tee with Minimess 1620 test point. 9/16"-18 JIC solid plug & cap.
- 5** 7/8"-14 JIC male/swivel female test tee with Minimess 1620 test point with 7/8"-14 JIC solid plug & cap.
- 6** 1.5/16"-12 JIC male/swivel female test tee with Minimess 1620 test point. 1.5/16"-12 JIC solid plug & cap.
- 7** 11/16"-16 ORFS male/swivel female test tee with Minimess 1620 test point. 11/16"-16 ORFS solid plug & cap.
- 8** 1"-14 O RFS male/swivel female test tee with Minimess 1620 test point. 1"-14 O RFS solid plug & cap.
- 9** 1.7/16"-12 ORFS male/swivel female test tee with Minimess 1620 test point. 1.7/16"-12 ORFS solid plug & cap.

- 10** 8S (M16x1.5) male/swivel female test tee with Minimess 1620 test point. 8S(M16x1.5) solid plug & cap.
- 11** 12S(M20x1.5) male/swivel female test tee with Minimess 1620 test point. 12S(M20x1.5) solid plug & cap.
- 12** 20S (M30x2) male/swivel female test tee with Minimess 1620 test point. 20S (M30x2) solid plug & cap.
- 13** 63mm analogue pressure gauge with Minimess 1620 male connection (selectable pressure ranges).
- 14** 63mm analogue pressure gauge with Minimess 1620 male connection (selectable pressure ranges).
- 15** 80mm HTE2 series digital pressure gauge with Minimess 1620 male connection (optional extra with selectable pressure ranges).
- 16** Minimess 1620 test hoses 2.5m long. 630 bar max working pressure (x3).



Minimess® Monster

Ordering Code



2x analogue gauges version

3101-X L - [X] [X].MM

Replace **X** in above code with pressure gauges required from the following options:

- | | |
|------------------------|-------------------------|
| 0 = 0 to 7 bar | 5 = 0 to 100 bar |
| 1 = 0 to 14 bar | 6 = 0 to 170 bar |
| 2 = 0 to 28 bar | 7 = 0 to 280 bar |
| 3 = 0 to 40 bar | 8 = 0 to 400 bar |
| 4 = 0 to 70 bar | 9 = 0 to 700 bar |

All pressure gauges have dual bar / psi scale. ±1.6% acc.
Special gauge ranges available on request

2x analogue gauges + 1x digital gauge version

3101-X L - [X] [X] D [Y].MM

Replace **X** in above code with pressure gauges required from the following options:

- | | |
|------------------------|-------------------------|
| 0 = 0 to 7 bar | 5 = 0 to 100 bar |
| 1 = 0 to 14 bar | 6 = 0 to 170 bar |
| 2 = 0 to 28 bar | 7 = 0 to 280 bar |
| 3 = 0 to 40 bar | 8 = 0 to 400 bar |
| 4 = 0 to 70 bar | 9 = 0 to 700 bar |

Replace **Y** in above code with digital pressure gauge required from the following options:

- | | |
|-------------------------|--------------------------|
| 1 = -1 to 16 bar | 8 = 0 to 400 bar |
| 4 = -1 to 60 bar | 9 = 0 to 600 bar |
| 7 = 0 to 250 bar | A = 0 to 1000 bar |

Datalogging digital gauge version available on request
Calibration certificates available on request

All pressure gauges have dual bar /psi scale. ±1.6% acc.
Special gauge ranges available on request.
Calibration certificates available on request.