



## The Aanwijzing Result of RFQ NO: KPJB-NR-2026-0057

Day / Date: Wednesday / April 8, 2026

Time: 09.00 WIB – Finish

Venue: Zoom

Administration:

Before:	After:
---------	--------

Technical:

Before: <ul style="list-style-type: none"><li>• Material List No. 9 “BHP2751G, 22 TON”</li></ul>	After: <ul style="list-style-type: none"><li>• Material List No. 9 “BHP2751G, 24 TON”</li><li>• The training will be conducted one day onsite training (in class for tools introduction dan demo application on field) after the goods are received, with a maximum of 10 participants for Vibration Analyzer &amp; Data Collector A4900 Vibrio M</li><li>• Manual Book – <i>please see on attachment</i></li></ul>
--	---

Note:

- Closing date of bidding document submission: not later than 11.00 WIB date **April 15, 2026** at 2<sup>nd</sup> gate of PT. KPJB’s security.
- The others clauses, terms and conditions of this RFQ that not specified in this MOM of aanwijzing and not against this MOM of aanwijzing still remains unchanged
- Duty stamp for quotation should follow the new Government’s regulation (duty stamp 10.000).
- KPJB safety rules and GTC as attached.
- Term of Reference as attached.

# Portable induction heater

## A portable solution for bearing heating

The SKF portable induction heater TWIM 15 is designed for applications in maintenance jobs to heat up bearings that are mounted with an interference fit onto a shaft. Heating the bearing causes it to expand, which eliminates the need to use force during installation. Generally, using the TWIM 15 to generate a 90 °C (102 °F) temperature difference between the bearing and shaft is sufficient to enable installation. In addition, the TWIM 15 can be used to heat other ring-shaped, metallic components, providing flexibility of use.

Utilizing electrical power, the TWIM 15 features glass-fiber, high-temperature-resistant plastic construction that allows a low temperature difference between the inner and outer rings of the bearing. This helps to reduce internal tensions that are generated due to excessive thermal expansion of the inner ring compared to the outer ring.

The unit has a user-friendly LED control panel that requires no special training and is simple to understand. The panel is used to regulate temperature and also indicates that the TWIM 15 is operational.

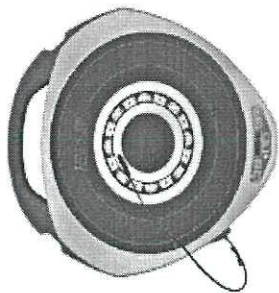
### TWIM 15 ADVANTAGES

- Innovative heating of bearings
- Portable, compact and lightweight
- No support yokes required
- Automatic temperature monitoring
- Detects bearing size and heats appropriately
- Different power levels
- User-friendly LED control panel
- Quiet operation

### THE TWIM 15 PORTABLE INDUCTION HEATER

#### PACKAGE INCLUDES:

- Portable induction heater TWIM 15
- Magnetic K-type 400 mm temperature probe TWIM 15-2
- Temperature-resistant gloves, TWBA 511
- Instructions for use



## Portable induction heater TWIM 15

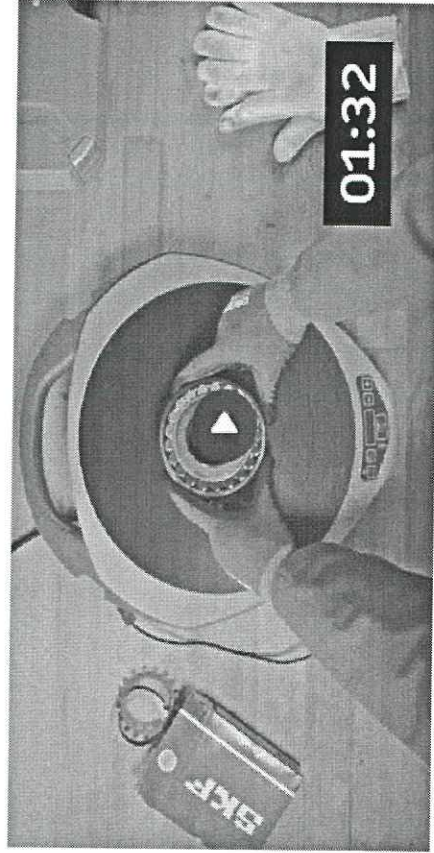
A portable solution for bearing heating, the TWIM 15 features glass-fiber, high-temperature-resistant plastic construction that allows a low temperature difference between the inner and outer rings of the bearing.

Buy this product online

Please select product designation below

Select product designation

Buy online



# Medium induction heater

## High heating capacity of up to 120 kg bearing

The SKF medium induction heater TIH 1000m has the same high standards of efficiency and performance as the smaller heater TIH 0500m, combined with increased capacity. The advanced design of the power electronics allows features of accurate electric current control, cut-outs to avoid overheating and controls on rate of temperature increase.

Placing the induction coil outside the heater's housing allows the heating of bearings weighing up to 120 kg (264 lb). The heater is equipped with thermal overheating protection to reduce the risk of damage to the induction coil and the electronics. In addition to temperature mode, the TIH 1000m is equipped with a time mode for heating components other than bearings. The heater is supplied standard with three yokes and is available in two executions: 230V/50-60Hz or 400-480V/50-60Hz.

- Standard swivel arm for large size yoke
- Temperature mode pre-set at 110 °C (230 °F) to help prevent bearing over-heating
- Automatic demagnetization
- Foldable bearing support arms allow larger diameter bearings to be heated, and reduce the risk of the bearing tapping during heating
- Capable of heating a 97 kg (213 lb) bearing in less than 20 minutes, saving time and energy
- 2-step power setting and smaller yokes allow heating smaller bearings safely and at lower power consumption



### Buy this product online

Please select product designation below

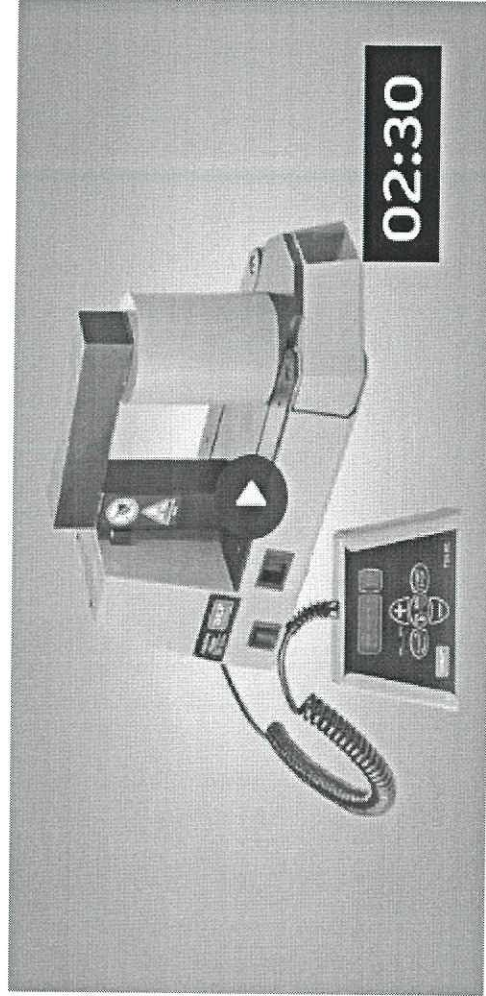
Select product designation

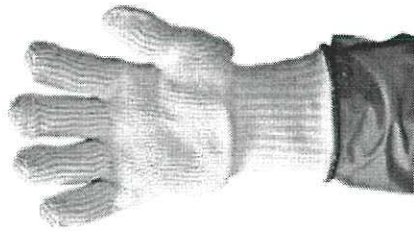
**Buy online**

→ Find a distributor close to you

### Demonstration video

The comprehensive SKF induction heater range can be used for efficiently heating bearings and work pieces, both large and small.





## Extreme temperature resistant gloves

For safe handling up to 500 °C (932 °F)

The TMBA G11ET gloves are especially designed for allowing the safe handling of heated bearings or other components for prolonged periods. They can withstand extreme temperatures of up to 500 °C (932 °F), without the presence of hot liquid or steam, with a high degree of non-flammability.

- Withstands extreme temperatures of up to 400 °C (752 °F) unless in the presence of hot liquid or steam
- Allows the safe handling of heated components
- High-degree of non-flammability reduces the risk of burning
- Extremely tough Kevlar gloves with high cut, abrasion, puncture and tear resistance for increased safety
- Non-allergenic
- Tested and certified for mechanical risks (EN 388) and thermal risks (EN 407)

Buy this product online

Please select product designation below

Select product designation

Buy online

→ Find a distributor close to you

↑ TOP TECHNICAL DATA MORE INFORMATION

### TECHNICAL DATA

Designation	TMBA G11ET	Documents and links
Material outer	Para-aramid	<a href="#">Instructions for use TMBA gloves (3.8 MB)</a>
Material middle	Para-aramid	
Material inner	Cotton	
Size	10	
Colour	Yellow	
Maximum recommended temperature	400 °C (752 °F)	
Pack size	1 pair	

# TMHC 110E

## Hydraulic puller kit

The TMHC 110E is a hydraulic puller kit that combines a jaw puller and a wrong back puller. The kit includes two arm sets with different lengths that can be used in 2-arm or 3-arm configuration and a back puller with a maximum reach of 200 mm (7.9 in.). The hydraulic spindle with safety valve enables safe and effortless dismantling for various bearings and components. The spring-loaded centre piece and self-locking puller arms further support safe and easy puller operation.

- Variable kit with two different arm lengths usable in 2-arm or 3-arm configuration and strong back puller
- Effortless dismantling with hydraulic spindle
- Self-locking arms minimise risks of slipping under load
- Spring-loaded centre point allows easy outer centring
- Supplied with two hydraulic spindle extension pieces to allow quick adaptation to required pulling length
- Hydraulic spindle is equipped with safety valve to prevent puller overload

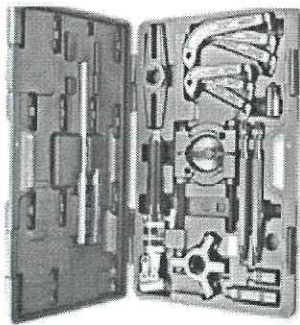


Image may differ from product. See technical specifications details.



### OVERVIEW COMPATIBLE PRODUCTS

Display in Metric Imperial

## Dimensions

Workpiece outer diameter range, using arms	Set 1: 50 to 110 mm Set 2: 75 to 170 mm
Reach, using arms (max)	Set 1: 25 mm Set 2: 115 mm
Claw height	6 mm
Claw length	15 mm
Claw width	25 mm
Hydraulic spindle, piston stroke	50 mm
Puller adaptor thread	UN 1.2 x 1.5-tpi
Workpiece outer diameter range, using separator	20 to 100 mm
Shaft diameter range, using separator	20 to 100 mm
Reach, using separator (max)	200 mm, using provided extension rods
Total spindle length	305 mm (incl. 2 available extension pieces)

## Properties

Recommended applications	For dismantling of bearings, gears, pulleys and other industrial ring shaped components from shafts in industrial, construction and agricultural applications. Option to choose from jaw puller or separator depending on the shape surrounding the component.
Suitable for workpiece dismantling from a cylindrical seating (straight shaft)	Yes
Suitable for bearing dismantling from a tapered seating (conical shaft)	Yes
Suitable for bearing dismantling from a sleeve (adapter or withdrawal sleeve)	Yes
Suitable for workpiece dismantling from a Bilha arrangement (housing with shaft)	No
Suitable for workpiece dismantling from a	No

[Buy now from online distributor](#)

[Find a distributor](#)

[Download PDF](#)

# FLUKE®

## New Fluke 289 True-rms Industrial Logging Multimeter with TrendCapture

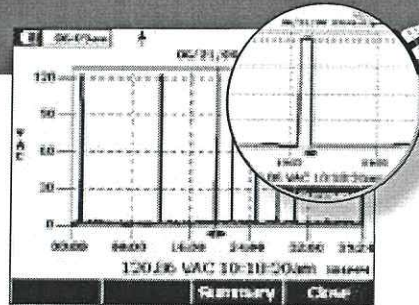
### Technical Data

#### The Best Just Got Better.

The new 289 is the next generation high performance industrial logging multimeter designed to solve complex problems in electronics, plant automation, power distribution, and electro-mechanical equipment. With the ability to log data and review it graphically on-screen, you can solve problems faster and help minimize downtime. Let the new 289 be your watchdog for systems or processes while you are off solving other problems.

#### Equipped with new functionality

- **New** – TrendCapture quickly graphically displays logged data session to quickly determine whether anomalies may have occurred
- **New** – Zoom on trend provides unprecedented ability to view and analyze TrendCapture data; zoom in up to 14 times
- **New** – Selectable ac filter (Smoothing mode) helps display a steadier reading when the input signal is changing rapidly or noisy
- **New** – Adjustable recording and auto hold thresholds, specify a percentage change in the readings that begins a new event
- **New** – Large 50,000 count, 1/4 VGA dot matrix display with white backlight
- **New** – Logging function with expanded memory for unattended monitoring of signals over time. Using on-board TrendCapture users can graphically review logged readings without needing a PC. Store up to 15,000 recorded events.
- **New** – Save multiple logging sessions before pc download is necessary
- **New** – Two terminal 50 ohm range with 1 milliohm resolution, 10 mA source current. Useful for measuring and comparing differences in motor winding resistance or contact resistance.
- **New** – Low Pass filter for accurate voltage and frequency measurements at the same time on adjustable speed motor drives and other electrically noisy equipment
- **New** – LoZ Volts. Low impedance voltage function for eliminating ghost voltages. Also recommended when testing for absence or presence of live power.
- **New** – **i** button. On board help screens for measurement functions. Unsure about a function—go to that function and press the “i” button.
- Real time clock for automatic time stamping of saved readings
- Relative mode to remove test lead resistance from low ohms or capacitance measurements
- True-rms ac voltage and current for accurate measurements on non linear signals
- Measure up to 10 A (20 A for 30 seconds)
- 100 mF capacitance range
- Peak capture to record transients as fast as 250  $\mu$ s
- Optional magnetic hanger for easy setup and viewing while freeing your hands for other tasks
- Optically isolated communication port for transferring data to pc (usb cable and software optional)
- Limited lifetime warranty



TrendCapture displays vDC logged date.



**Specifications**

Function	Range and Resolution	Basic Accuracy
DC volts AC volts	50.000 mV, 500.00 mV, 5.0000 V, 50.000 V, 500.00 V, 1000.0 V	0.025 % 0.4 % (true-rms)
DC current AC current	500.00 µA, 5000.0 µA, 50.000 mA, 400.00 mA, 5.0000 A, 10.000 A	0.15 % 0.7 % (true-rms)
Temperature (excluding probe)	-200.0 °C to 1350.0 °C (-328.0 °F to 2462.0 °F)	1.0 %
Resistance	50.000 Ω, 500.00 Ω, 5.0000 kΩ, 50.000 kΩ, 500.00 kΩ, 5.0000 MΩ, 50.00 MΩ, 500.0 MΩ	0.05 %
Capacitance	1.000 nF, 10.00 nF, 100.0 nF, 1.000 µF, 10.00 µF, 100.0 µF, 1000 µF, 10.00 mF, 100 mF	1.0 %
Frequency	99.999 Hz, 999.99 Hz, 9.9999 kHz, 99.999 kHz, 999.99 kHz	.005 %

Additional Functions/Features	Fluke 289
Multiple on screen displays	Yes
True-rms ac bandwidth	100 kHz
dBV/dBm	Yes
DC mV resolution	1 µV
Megohm range	up to 500 MΩ
Conductance	50.00 nS
Continuity beeper	Yes
Battery/fuse access	Battery/fuse
Elapse time clock	Yes
Time of day clock	Yes
Min-max-avg	Yes
Duty cycle	Yes
Pulse width	Yes
Isolated optical interface	Yes
Auto/touch hold	Yes
Reading memory	Yes
Log to PC	Yes
Interval/event logging	Yes
Logging memory	up to 15,000 readings

**Ordering information**

289 True-rms Industrial Logging Multimeter with TrendCapture

**Optional accessories**

- FVF-SC2 FlukeView® Forms Software with Cable
- TLK289 Industrial Test Lead Set
- i400 AC Current Clamp
- i410 AC/DC Current Clamp
- 80BK Integrated DMM Temperature Probe
- TPAK Magnetic Hanging Kit
- C280 Soft Case

**Fluke.** Keeping your world up and running.®

**Fluke Corporation**  
PO Box 9090, Everett, WA 98206 U.S.A.

**Fluke Europe B.V.**  
PO Box 1186, 5602 BD Eindhoven, The Netherlands

**For more information call:**  
In the U.S.A. (800) 443-5853 or Fax (425) 446-5116  
In Europe/M-East/Africa +31 (0) 40 2675 200 or Fax +31 (0) 40 2675 222  
In Canada (800)-36-FLUKE or Fax (905) 890-6866  
From other countries +1 (425) 446-5500 or Fax +1 (425) 446-5116  
Web access: <http://www.fluke.com>

©2008 Fluke Corporation. Specifications subject to change without notice. Printed in U.S.A. 7/2008 3032823 D-EN-N Rev B

Modification of this document is not permitted without written permission from Fluke Corporation.

**General specifications**

**Maximum voltage between any terminal and earth ground:** 1000 V

**Battery type:** 6 AA alkaline batteries, NEDA 15A IEC LR6

**Battery life:** 100 hours minimum, 200 hours in logging mode

**Temperature:**  
Operating: -20 °C to 55 °C  
Storage: -40 °C to 60 °C

**Relative humidity:** 0 to 90 % (0 to 37 °C), 0 to 65 % (37 °C to 45 °C), 0 to 45 % (45 °C to 55 °C)

**Electromagnetic compatibility:** EMC EN61326-1

**Vibration:** Random vibration per MIL-PRF-28800F Class 2

**Shock:** 1 meter drop per IEC/EN 61010-1 2nd Edition

**Size (HxWxL):** 22.2 cm x 10.2 cm x 6 cm (8.75 in x 4.03 in x 2.38 in)

**Weight:** 870.9 g (28 oz)

## Hydraulic Pressure Gauge Bentlix

CY Svarthema Multi Global has a wide range of Pressure Meter products – search by type, or model, or filter by brand to find the one you are after. If you still can't find it contact us.



A quality hydraulic pressure tester from BENTLIX, a manufacturer specializing in heavy industrial equipment. Includes 4 gauges, 4 hoses, and 10 test connections.

BENTLIX Hydraulic Pressure Gauge, Hydraulic Test Kit, Hydraulic Test Gauges used for most Excavators

### Specifications Hydraulic Pressure Gauge Bentlix :

- Max Work Pressure: 10000PSI/600BAR/60MPa
- Contains:
  - Gauge: 063mm-0-100 Bar/0-1500 PSI, 1 PC
  - Gauge: 063mm-0-250 Bar/0-4000 PSI, 1 PC
  - Gauge: 063mm-0-400 Bar/0-6000 PSI, 1 PC
  - Gauge: 063mm-0-600 Bar/0-10000PSI, 1 PC
  - Test Hose Assembly Test hose: Length<sup>m</sup> 63IN, 4 PCS

### Test Coupling:

- Test coupling: G1/8, 1 PC
- Test coupling: G1/4, 1 PC
- Test coupling: G3/8, 1 PC
- Test coupling: M10\*1, 1 PC
- Test coupling: M10\*1.25, 1 PC
- Test coupling: M14\*1.5, 1 PC
- Test coupling: UNF7/16-20, 1 PC
- Test coupling: UNF9/16-18, 1 PC
- Test coupling: NPT1/4, 1 PC
- Test coupling: M8\*1.0, 1 PC

### Quick Release Coupling:

- Quick connector B compatible for Caterpillar/CAT/CASE/John Deere, 1 PC

# SC-Series, Single-Acting, Cylinder Pump Sets

**ENERPAC** 

▼ SCR1010H cylinder-pump set

## The Quickest and Easiest Way to Start Working Right Away



**Speed Chart**

See the Enerpac Cylinder Speed Chart in our 'Yellow Pages' section.

Page:  409


- Optimum match of individual components
- All sets are ready-for-use
- Sets include 6 foot safety hose and gauge with gauge adaptor
- All pumps are two-speed.

**1 Cylinder Selection**  
(See Cylinder Section of this catalog for full product descriptions)

Set Capacity tons	Cylinder Model Number	Stroke (in)	Collapsed Height (in)
5	RC55 ✓	5.00	8.50
	RC102	2.13	4.78
10	RC106	6.13	9.75
	RC1010	10.13	13.75
15	RC154	4.00	7.88
	RC156	6.00	10.69
25	RC252	2.00	6.50
	RC254	4.00	8.50
	RC256	6.25	10.75
50	RC2514	14.25	18.75
	RC506	6.25	11.13
10	RCS101	1.50	3.47
	RCS201	1.75	3.88
30	RCS302	2.44	4.63
	RCS502	2.38	4.81
90	RCS1002	2.25	5.56
12	RCH121	1.63	4.75
	RCH202	2.00	6.31
30	RCH302	2.50	7.03
60	RCH603	3.00	9.75
100	RCH1003	3.00	10.00

**RC-Trio Series, Single-Acting, General Purpose Cylinders**  
For maximum versatility.



Page:  6

**RCS-Series, Single-Acting, Low-Height Cylinders**  
Ideal where space is restricted.



Page:  26

**RCH-Series, Single-Acting, Hollow Cylinders**  
For pushing and pulling applications.



Page:  34

*8a*

# Single-Acting Cylinder-Pump Sets

## SET SELECTION:

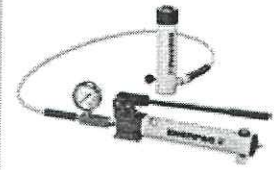
- 1 Select the cylinder
- 2 Select the pump
- 3 Find the set model number in the gray matrix



### GA45GC Gauge Adaptor Assembly

Protect yourself from system overloading by simply ordering one part number for a pre-assembled gauge, gauge adaptor and coupler.

## SC Series



Capacity:

**5 - 100 tons**

Stroke:

**1.50 - 14.25 inches**

Maximum Operating Pressure:

**10,000 psi**

Page: 150

## SELECTION EXAMPLE

### Selected cylinder:

- RC106, Single-Acting cylinder with 6.13 inch stroke

### Selected pump:

- P392, Lightweight hand pump

### Set model number:

- SCR106H

### Included:

- HC7206 hose
- GF10P gauge
- GA2 adaptor

### Power Box











Tool box with hand pump, gauge adaptor assembly, hose and LW-, RC-, RCS, RSM- or WR-Series cylinder.

Page: 11

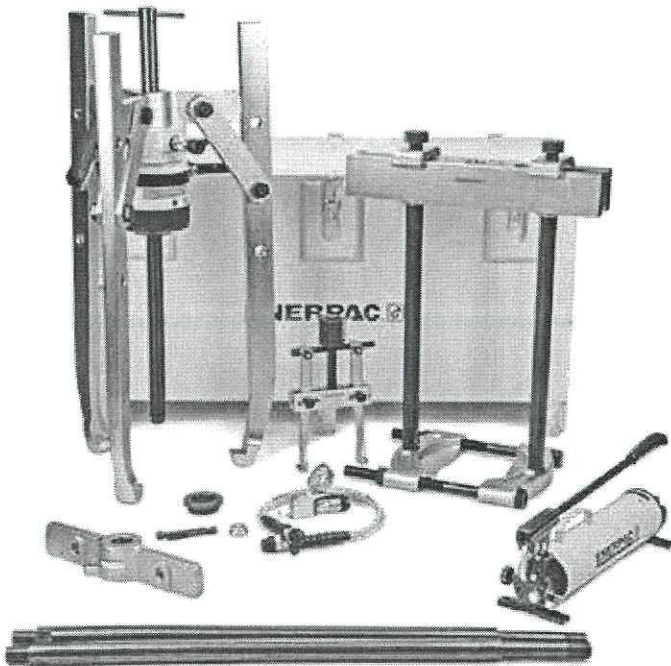
## 2 Pump selection (See the Pump Section in this catalog for full product descriptions.)

### Accessories included

Hand Pump	Hand Pump	Hand Pump	Foot Pump	XA-Series Air Pump	Hose Model Number	Gauge Model Number	Gauge Adaptor Model No.
P142	P392	P80	P392FP	XA11			
							
<b>SCR55H</b>	-	-	-	-	HC7206	GP10S	GA4
-	SCR102H	-	SCR102FP	SCR102XA	HC7206	GF10P	GA2
-	SCR106H	-	SCR106FP	SCR106XA	HC7206	GF10P	GA2
-	SCR1010H	-	SCR1010FP	SCR1010XA	HC7206	GF10P	GA2
-	SCR154H	-	SCR154FP	SCR154XA	HC7206	GP10S	GA2
-	SCR156H	-	SCR156FP	SCR156XA	HC7206	GP10S	GA2
-	SCR252H	-	SCR252FP	SCR252XA	HC7206	GF20P	GA2
-	SCR254H	-	SCR254FP	SCR254XA	HC7206	GF20P	GA2
-	SCR256H	-	-	SCR256XA	HC7206	GF20P	GA2
-	-	SCR2514H	-	SCR2514XA <sup>1)</sup>	HC7206	GF20P	GA2
-	-	SCR506H	-	SCR506XA <sup>1)</sup>	HC7206	GF50P	GA2
-	SCL101H	-	SCL101FP	SCL101XA	HC7206	GF10P	GA2
-	SCL201H	-	SCL201FP	SCL201XA	HC7206	GF230P	GA2
-	SCL302H	-	SCL302FP	SCL302XA	HC7206	GF230P	GA2
-	SCL502H	-	SCL502FP	SCL502XA	HC7206	GF510P	GA2
-	-	SCL1002H	-	-	HC7206	GF510P	GA2
SCH121H	-	-	-	-	HB7206	GF120P	GA4
-	SCH202H	-	SCH202FP	SCH202XA	HC7206	GF813P	GA3
-	SCH302H	-	SCH302FP	SCH302XA	HC7206	GF813P	GA3
-	-	SCH603H	-	SCH603XA <sup>1)</sup>	HC7206	GF813P	GA3
-	-	SCH1003H	-	-	HC7206	GP10S	GA2

<sup>1)</sup> With XA12 air pump.

▼ Shown: Master Puller Set BHP5751G



## Multi Purpose Puller Set

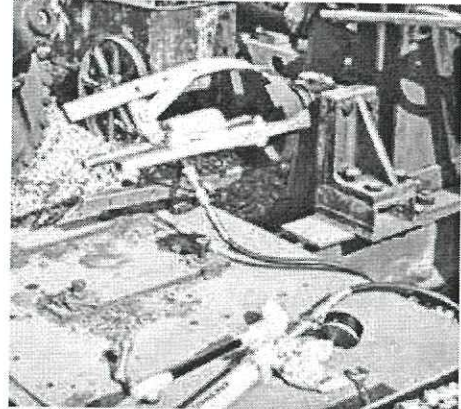


### WARNING

Do not exceed 50% of the rated puller capacity when using two jaw configurations, a double crosshead (2 grip arms) or when using puller legs in combination with bearing puller attachments.

- Supplied with a full hydraulic set including pump, hose, cylinder, gauge, gauge adaptor and wooden case
- High-quality, forged steel components provide superior reliability and service
- Sets include speed crank and adjusting screw for fast contact to work before hydraulics are applied
- All Master Puller Sets include a Grip Puller, a Cross Bearing Puller, a Bearing Cup Puller and a Bearing Separator, which can be ordered separately, see items nr. 10, 20, 30 and 40.

▼ Maintenance engineers throughout the industry greatly appreciate the Enerpac Master Puller sets.



### ▼ SELECTION CHART

Master Puller Set Capacity *		14 tons	24 tons ✓	36 tons	50 tons **	Page:
Model Number ▶	Set Weight ▶	BHP1752 <sup>1)</sup>	BHP2751G	BHP3751G	BHP5751G	
<b>Included Hydraulics</b>						
• Hand Pump		P142	P392 ✓	P392	P80	78-81 ▶
• Cylinder		RWH121900	RCH202 ✓	RCH302	RCH603	40 ▶
• Saddle		-	HP2015 ✓	HP3015	HP5016	41 ▶
• Hose		HC7206C	HC7206C	HC7206C	HC7206C	136 ▶
• Gauge + Adaptor		GA45GC	GA45GC	GA45GC	GA45GC	150 ▶
<b>Included Pullers</b>						
<b>10</b> Grip Puller		BHP1762	BHP252	BHP352	BHP552	159 ▶
<b>20</b> Cross Bearing Puller		BHP1772	BHP262	BHP362	BHP562	160 ▶
<b>30</b> Bearing Cup Puller		BHP180	BHP280	BHP380	BHP580	161 ▶
<b>40</b> Bearing Separator		BHP181	BHP282	BHP382	BHP582	161 ▶
• Case		CM6	CW350	CW350	CW750	

\* See warning on this page.

\*\* Puller capacity at 7,850 psi; maximum cylinder capacity at 10,000 psi is 60 tons.

<sup>1)</sup> Includes Adaptor FZ1055.



## A4900 VIBRIO M

VIBRATION METER, ANALYZER, DATA COLLECTOR

MASTER THE LANGUAGE OF YOUR MACHINERY



10a

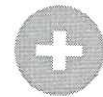
# A4900 VIBRIO M

VIBRATION METER, ANALYZER,  
DATA COLLECTOR

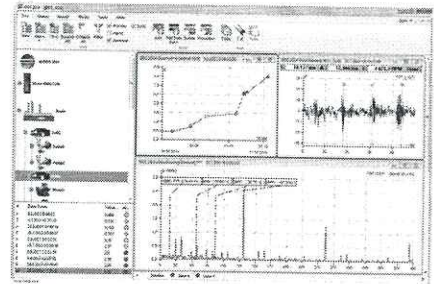
The A4900 - Vibrio M instrument allows you to perform all basic vibro-diagnostics measurements such as bearing condition, identification of mechanical faults and lubrication assessment.

The A4900 - Vibrio M is equipped with 4MB of memory for data storage. Data memory allows you to perform off-route and route measurements. The professional software DDS for Vibrio M can be downloaded from the Adash website free of charge.

Our expert system for automatic machine fault detection is included.



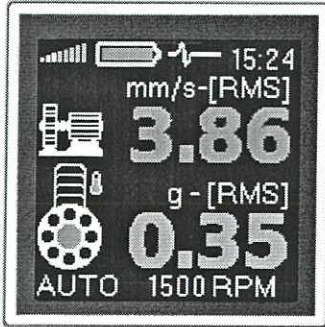
Free version of DDS software  
(limited database size)



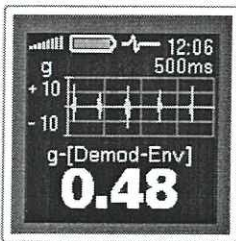
- Quality sensor
- Solid coiled cable
- Strong magnetic base

## MEASUREMENTS

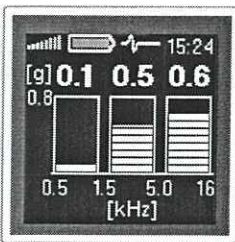
- › ISO value [mm/s, ips]
- › Bearing value [g]
- › ISO 10816-3 included
- › Automatic speed detection



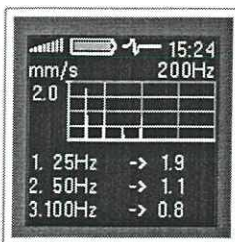
Overall values



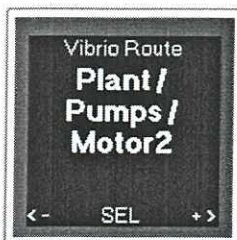
Time signal



Frequency bands



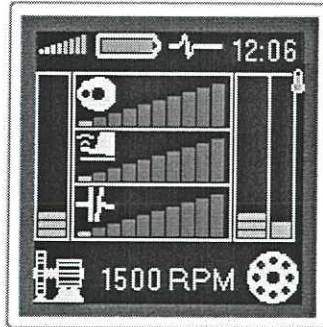
FFT Spectrum



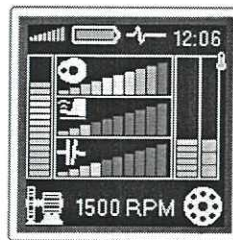
Route measurement

## EXPERT SYSTEM

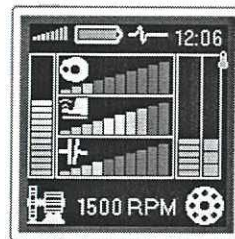
- › Enables automatic machine fault detection on site



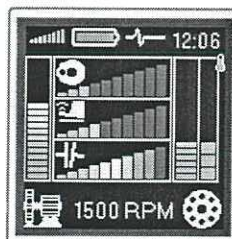
Machine OK



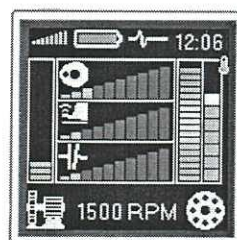
Unbalance



Looseness



Misalignment

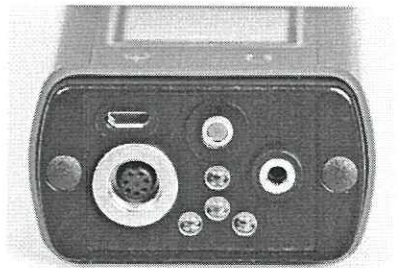


Bearing fault



## SIMPLE TO USE

- › Three button operation
- › All functions are predefined
- › Expert functions for fault detection
- › Colour graphic display



## TOP PANEL

- › ACC ICP® - sensor input
- › IR non-contact temperature sensor
- › LED stroboscope
- › Stethoscope output
- › Micro USB for data transfer



## INDUSTRIAL DESIGN

- › Heavy-Duty aluminium case
- › 2AA rechargeable or AA alkaline batteries
- › 8 hours of operation

## A4900 VIBRIO M TECHNICAL SPECIFICATIONS:

<b>Input:</b>	1 x ICP® powered accelerometer
<b>Input range:</b>	60 g PEAK with standard 100 mV/g sensor (e.g. 600 g PEAK for 10 mV/g sensor, the sensitivity is editable in the unit)
<b>Measurements:</b>	Velocity RMS: 10 - 1000 Hz [mm/s, ips] Velocity PEAK: 10 - 1000 Hz [mm/s, ips] Acceleration RMS: 500 - 16 000 Hz [g] Acceleration Peak: 500 - 16 000 Hz [g] Velocity time: 1 - 1000 Hz [mm/s, ips], 2048 samples * Velocity spectrum: 1 - 1000 Hz [mm/s, ips], 800 lines Acceleration time: 1 - 16 000 Hz [g], 2048 samples* Acceleration spectrum: 1 - 16 000 Hz [g], 800 lines* Acceleration Demod-Envelope RMS: 500 - 16 000 Hz [g] Acceleration Demod-Envelope Peak: 500 - 16 000 Hz [g]* Acceleration Demod-Envelope time: 500 - 16 000 Hz [g], 2048 samples Acceleration Demod-Envelope spectrum: 500 - 16 000 Hz [g], 800 lines, range 400 Hz* Displacement RMS: 2 - 100 Hz [µm, mil] Displacement O-Peak: 2 - 100 Hz [µm, mil] Displacement Peak-Peak: 2 - 100 Hz [µm, mil] Temperature non-contact measurement: 0 - 380°C (32 - 716°F)
<b>Other functions:</b>	LED stroboscope (0.17-300 Hz, 10 - 18 000 RPM) LED torch Vibration stethoscope
<b>Memory:</b>	4 MB for data 900 measurements of 800 line spectra or 2048 sample time signals may be stored
<b>Data storing:</b>	Off-Route Route with DDS software for Vibrio M (free download)
<b>Interface:</b>	USB 2.0 compatible
<b>Software:</b>	Free version of DDS software (limited database size)
<b>Display:</b>	Colour graphic OLED display 128x128 pixels, diagonal 1.5" (38 mm)
<b>Output:</b>	1 x AC signal 8 Ω / 0,5 W for external headphones (signal listening)
<b>Power:</b>	2 x AA 1.5V batteries (alkaline, NiMH, Lithium - 8 hours of operation)
<b>Temperature:</b>	Operating: -5°C to 55°C
<b>Dimensions:</b>	150 x 60 x 35 mm
<b>Weight:</b>	330 g including batteries (without cable, sensor and magnet) 540 g including batteries, cable, sensor and magnet
<b>Accessories:</b>	vibration sensor, coiled cable to connect vibration sensor, magnetic base for vibration sensor, headphones with 3.5 mm jack, USB cable, measuring tip for manual pressure on the sensor, transport case, USB flash disc with the manual

\*available in DDS software for Vibrio

MASTER THE LANGUAGE OF YOUR MACHINERY



Wd