

Model WS400

Special points of interest:

- Robust, Light weight Construction – Cast Aluminium Drum & Stainless Steel Frame
- Portable
- Automatic Weston Brake – safety brake which lock the drum if the handle is released
- Up to 70 Kgs (154 lb) of lifting capacity
- Depth counter housed within the frame – protected from external damage
- Silver Plated Slipping – conducts signal from sounding drum to the current meter counter
- Single layer of Signal Cable on Drum – prevents damage of internal conductor and premature replacement
- Single adjustable handle

INTRODUCTION

The WS400 Gauging Winch is a hand operated winch capable of handling Gauging Weights up to 70 Kg (154 lb).

The WS400 is a very compact unit and has been designed for ease of operation and serviceability in the field. The structure of material has kept the weight to a minimum, so that it can be handled easily by one person.

Special features include –

- 1- Weston Brake: Providing safe and smooth sounding operation.
- 2- The WS400, when fitted to a winch frame with outrigger assembly, can be used on boats or off bridges. A light weight trolley can also be used for bridge gauging.
- 3- Sounding Drum: Cast Aluminium 320mm Circumference, fitted with silver plated slipping, and depth counter registering in centimeters.



**WS400
Gauging Winch**

Inside this issue:

Special point of interest	1
Introduction	1
Photos	1
Operation	2
Specifications	2

**Designed & Manufactured
By
Hydrological Services Pty Ltd**

Address:

48-50 Scrivener Street
 Liverpool, NSW, 2170, Australia
 Ph. 61 2 9601 2022 Fax. 61 2 9602 6971
 Web: www.hydrologicalservices.com
 Email: sales@hydrologicalservices.com



Distributed By:



SPECIFICATIONS

Load Capacity:	70kg (154 lbs) maximum.
Sounding Drum:	Cast Aluminium, 320mm (12.6") Circumference x 326mm (12.8") long.
Frame:	Robust Stainless Steel Grade 304, Powder Coated.
Counter:	Six digit resettable, registering depth in centimeters, 1cm resolution (Imperial depth 1/10 of a foot)
Portable:	light weight 17Kgs (38 lbs)
Brake:	Positive Weston Brake will hold the load in any position
Drum Capacity:	40m (131 ft) when using 2.5mm (1/10") dia cable, standard. 31m (102 ft) when using 3.2mm (1/8") dia cable, available on request.
Mounting:	4 x M10 mounting holes for winch board with outrigger model SAN22SS 4 x M10 mounting holes for A reel trolley
Operation:	Manual
Dimensions:	Length 460mm (18"), Width 210mm (8.3"), Height 230mm (9"). Weight 17Kg (38 lb).
Packing Details:	Supplied in aluminium carry case, 27 Kg (60 lb), 580mm x 280mm x 270mm (23"x 11"x 10.6"), approx 0.05m ³

ACCESSORIES

- 1- Stainless Steel Winch Board with outrigger, model SAN22SS
- 2- Gauging Weights — sizes 7, 14, 23, 34,45 and 68Kg with optional carry cases
- 3- Nose mount ground feeler weights with carry case
- 4- Amegraph Cable:
 - A. 2.5 (1/10") diameter, 3Kg/100 metres
 - B. 3.2 (1/8") diameter, 4.5Kg/100 metres