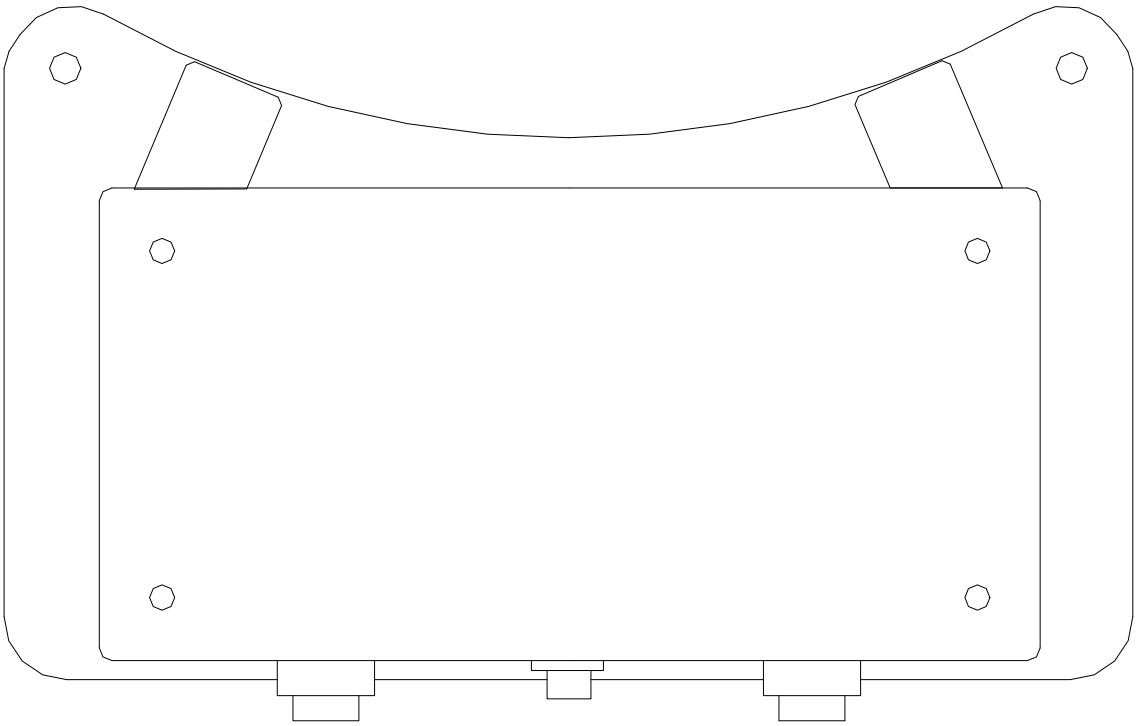
RMS–DDS1

VAL0123046 / SKC9315741



STATIONARY UNIT

FOR THE RMS-DD SYSTEM

USERS MANUAL

metso

CONTENTS

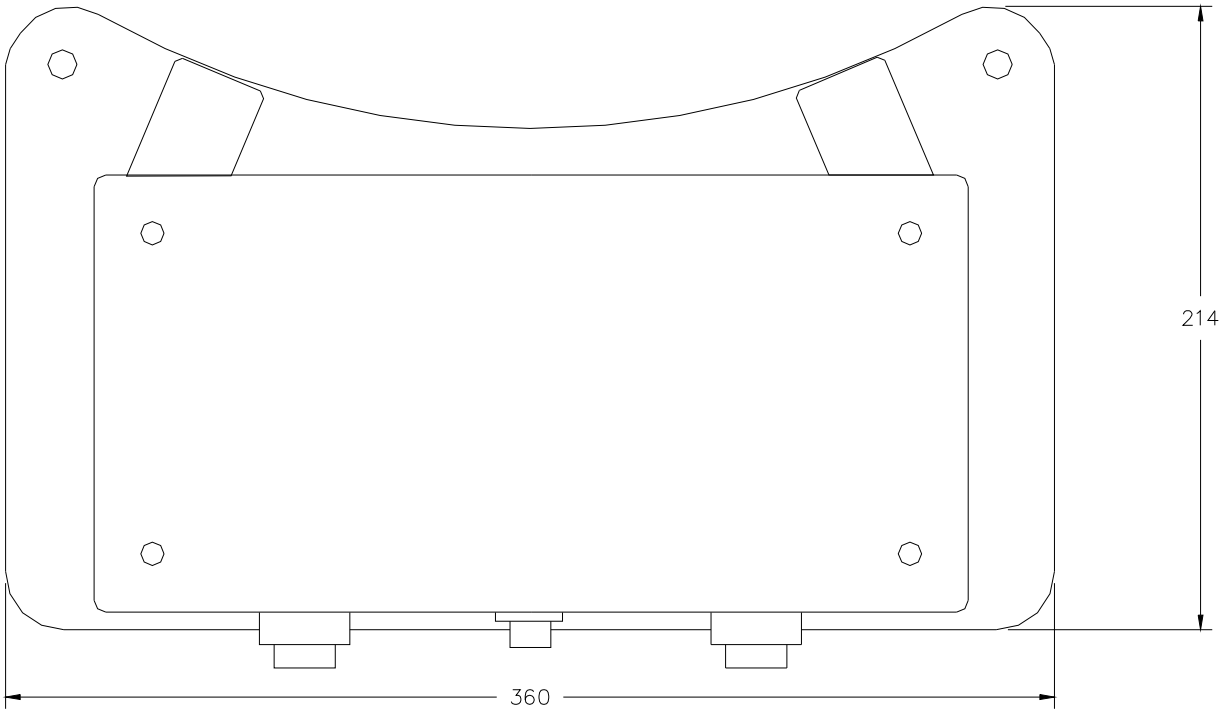
1. OUTLINE DRAWING

2. DESCRIPTION OF OPERATION

3. TECHNICAL SPECIFICATION

4. MOUNTING

1. OUTLINE DRAWING



2. DESCRIPTION OF OPERATION

The unit generates the power to the rotating unit of the system, and receives the serial data signal. The signal containing information such as TDC-distance, sensor temperature, touch point signal and several other internal values for easy system checkout.
The unit receives the power from the 24Vdc supply in the refiner panel, and use a DC/AC converter to generate a power signal to the stationary transformer.
The received signal is detected in a pick-up coil that is placed toward the signal winding of the rotating transformer. The signal is then fed into two filters to separate the serial data signal from the touch point audio signal. The serial data signal is read by a microprocessor that synchronizes the data stream and reads the measured values. The values are then transmitted to the DCA-RM2 unit of the RMS-DD1 rack.
The touch point audio signal is amplified and fed into one of the sockets. The signal is connected to TVD-RM2 unit of the rack through the K-TVDS25 cable.

3. TECHNICAL SPECIFICATION

Article no.:	RMS-DDS1 / VAL0123046 / SKC9315741
Connectors:	7-pole C16 contact for the K-DDS25 cable
	4-pole C16 contact for the TR-S unit
	4-pole 62GB contact for the TVD-RM2 unit
Outline dimension:	Length=360 mm, Height = 215 mm, Thickness = 100 mm
Weight:	6.3 kg
Housing:	Stainless steel housing mounted on a painted steel plate.

4. MOUNTING

The unit is mounted on the stationary transformer under the shaft between the refiner and the main motor.
The cables K-DDS25 (to the RMS-DD1 rack), K-TVDT25 (to the RMS-DD1 rack) and the cable to the TR-S transformer are connected to the unit. Different connectors and number of poles, will assure that the cables is not mixed.