



SUGAR RESEARCH
INTERNATIONAL

SRI Chute Height Sensor

Model: CHS02 Additions: -P, -R1, -R2, -PR1, -PR2



- Measuring and indicating the level of bagasse or prepared cane in a feed chute.
- Suitable for use in a Chute Height Control System for individual milling units or boiler feed chutes.
- Can operate on one chute with up to 16 electrodes or two chutes with up to 8 electrodes in each chute. When operating in the dual chute mode, each chute is provided with an individual 4-20 mA current output for the indication of chute level. *Relay outputs are optional.*
- The CHS can also be used on boiler feed chutes, with a single unit capable of monitoring up to 4 chutes.



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COMPONENTS

Each Chute Height Sensor consists of a microprocessor based electronics module and a number of chute mounted stainless steel electrodes.

SPECIFICATIONS

Supply voltage:	24V DC at 500 mA <i>Also available with 240/115 V AC Power supply Specify addition : -P</i>
Analogue Outputs:	Two Analogue 4-20 mA DC into 900 Ohms load resistance. Outputs are electrically isolated from power supply and inputs.
Optional Relay Outputs:	<i>Also available with 1 or 2 x 8 relay output bocks. 1C/O per channel rated at 240 VAC or 30 VDC maximum current 2 Amps Specify addition: -R1 or -R2</i>

For both 240V AC power supply and relay outputs specify addition: -PR1 or -PR2

Standard Electrode Construction:	Stainless steel and pactene. Temperature rated to 120°C.
Electrodes per Chute:	Single chute mode minimum 4 up to 16 in steps of 2. Dual chute mode minimum 4 up to 8 in steps of 2.
Enclosure Construction:	316 Stainless Steel
Environmental Rating:	IP65, 50°C ambient temperature
Enclosure Dimensions:	300 x 250 x 150mm
Weight (Net):	CHS02 : 5.4 kg CHS02-P: 5.8 kg CHS02-R1: 5.65 kg CHS02-R2: 5.9 kg CHS02-PR1: 6.05 kg CHS02-PR2: 6.3 kg Electrode (each): 0.125kg

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