

The proposed device for determining mass of melt in a ladle of a ladle crane contains two analog-to-digital converters, four summing units, two multipliers, a digital set-point unit with three outputs, a melt mass indicator, a melt component mass indicator, an electromotive force transducer, a current transducer, AND logic elements, NOT logic elements, a measurement start detector, a measurement end detector, a weight movement direction detector, a switch, two memory units, a divider, a melt presence detector, switches, a switch control unit, and a scaling amplifier.